

**Record 1 of 126****Title:** Effect of Geometric and Operational Parameters on the Performance of a Beta-Type Stirling Engine: A Numerical Study**Author(s):** Raghavendra, H (Raghavendra, H.); Raju, PS (Suryanarayana Raju, P.); Reddy, KH (Hemachandra Reddy, K.)**Source:** IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF MECHANICAL ENGINEERING **DOI:** 10.1007/s40997-020-00406-0 **Early Access****Date:** NOV 2020**Times Cited in Web of Science Core Collection:** 0**Total Times Cited:** 0**Accession Number:** WOS:000590329500001**Document Type:** Review; Early Access**Addresses:** [Raghavendra, H.; Suryanarayana Raju, P.] Madanapalle Inst Technol & Sci, Dept Mech Engr, Madanapalle 517325, Andhra Pradesh, India.

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**E-mail Addresses:** h.raghavendra.rymec@gmail.com**ISSN:** 2228-6187**eISSN:** 2364-1835**Record 2 of 126****Title:** Self-adaptive query-broadcast in wireless ad-hoc networks using fuzzy best worst method**Author(s):** Ahmad, N (Ahmad, Naeem); Hasan, G (Hasan, Gulzarul)**Source:** WIRELESS NETWORKS **DOI:** 10.1007/s11276-020-02477-y **Early Access Date:** NOV 2020**Times Cited in Web of Science Core Collection:** 0**Total Times Cited:** 0**Accession Number:** WOS:000584983600001**Document Type:** Article; Early Access**Addresses:** [Ahmad, Naeem] Madanapalle Inst Technol & Sci, Dept Comp Applicat, Madanapalle, AP, India.

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**Corresponding Address:** Ahmad, N (corresponding author), Madanapalle Inst Technol & Sci, Dept Comp Applicat, Madanapalle, AP, India.**E-mail Addresses:** drnaeemahmad@mits.ac.in; gulzarhsn@gmail.com**ISSN:** 1022-0038**eISSN:** 1572-8196**Record 3 of 126****Title:** Numerical buckling temperature prediction of graded sandwich panel using higher order shear deformation theory under variable temperature loading**Author(s):** Sahoo, B (Sahoo, Brundaban); Sahoo, B (Sahoo, Bamadev); Sharma, N (Sharma, Nitin); Mehar, K (Mehar, Kulmani); Panda, SK (Panda, Subrata Kumar)**Source:** SMART STRUCTURES AND SYSTEMS **Volume:** 26 **Issue:** 5 **Pages:** 641-656 **DOI:** 10.12989/sss.2020.26.5.641 **Published:** NOV 2020**Times Cited in Web of Science Core Collection:** 0**Total Times Cited:** 0**Accession Number:** WOS:000590435800008**Document Type:** Article**Addresses:** [Sahoo, Brundaban; Sahoo, Bamadev] IIIT, Dept Mech Engr, Bhubaneswar 751003, Odisha, India.

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**Record 5 of 126****Title:** Study on the effect on combining long-chain additive with neat bio-diesel fueled engine to examine its ignition characteristics**Author(s):** Devarajan, Y (Devarajan, Yuvarajan); Munuswamy, D (Munuswamy, DineshBabu); Nagappan, B (Nagappan, Beemkumar); Choubey, G (Choubey, Gautam)**Source:** FUEL **Volume:** 279 **Article Number:** 118400 **DOI:** 10.1016/j.fuel.2020.118400 **Published:** NOV 1 2020**Times Cited in Web of Science Core Collection:** 2**Total Times Cited:** 2**Accession Number:** WOS:000559065300006**Document Type:** Article**Addresses:** [Devarajan, Yuvarajan] Madanapalle Inst Technol & Sci, Dept Mech Engr, Madanapalle 517325, India.

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**ISSN:** 0016-2361**eISSN:** 1873-7153**Record 6 of 126****Title:** Identification of Pre-existing/Undetected Line-to-Line Faults in PV Array Based on Pretturn ON/OFF Condition of the PV Inverter**Author(s):** Boggarapu, PK (Boggarapu, Pradeep Kumar); Manickam, C (Manickam, Chakkarapani); Lehman, B (Lehman, Brad); Ganesan, SI (Ganesan, Saravana Ilango); Chilakapati, N (Chilakapati, Nagamani)**Source:** IEEE TRANSACTIONS ON POWER ELECTRONICS **Volume:** 35 **Issue:** 11 **Pages:** 11865-11878 **DOI:** 10.1109/TPEL.2020.2987856 **Published:** NOV 2020**Times Cited in Web of Science Core Collection:** 0**Total Times Cited:** 0**Accession Number:** WOS:000555006800051**Document Type:** Article**Addresses:** [Boggarapu, Pradeep Kumar; Ganesan, Saravana Ilango; Chilakapati, Nagamani] Natl Inst Technol, Dept Elect & Elect Engr, Tiruchirappalli 620015, India.

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**ISSN:** 0885-8993**eISSN:** 1941-0107**Record 7 of 126****Title:** Modelling and simulation of sprinters' health promotion strategy based on sports biomechanics**Author(s):** Wang, HF (Huifeng, Wang); Shankar, A (Shankar, Achyut); Vivekananda, GN (Vivekananda, G. N.)**Source:** CONNECTION SCIENCE **DOI:** 10.1080/09540091.2020.1807467 **Early Access Date:** OCT 2020**Times Cited in Web of Science Core Collection:** 0**Total Times Cited:** 0**Accession Number:** WOS:000586157700001**Document Type:** Article; Early Access**Addresses:** [Huifeng, Wang] HuangHuai Univ, Sch Phys Educ, Zhumadian 463000, Henan, Peoples R China.

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**ISSN:** 0954-0091**eISSN:** 1360-0494**Record 8 of 126**

**Title:** Processing of hardened steel by MQL technique using nano cutting fluids

**Author(s):** Das, A (Das, Anshuman); Patel, SK (Patel, Saroj Kumar); Arakha, M (Arakha, Manoranjan); Dey, A (Dey, Abhijit); Biswal, BB (Biswal, Bibhuti Bhushan)

**Source:** MATERIALS AND MANUFACTURING PROCESSES **DOI:** 10.1080/10426914.2020.1832688 **Early Access Date:** OCT 2020

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**Accession Number:** WOS:000582933500001

**Document Type:** Article; Early Access

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**ISSN:** 1042-6914

**eISSN:** 1532-2475

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#### Record 9 of 126

**Title:** A class imbalance-aware review rating prediction using hybrid sampling and ensemble learning

**Author(s):** Mahadevan, A (Mahadevan, Anbazhagan); Arock, M (Arock, Michael)

**Source:** MULTIMEDIA TOOLS AND APPLICATIONS **DOI:** 10.1007/s11042-020-10024-2 **Early Access Date:** OCT 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000583495800002

**Document Type:** Review; Early Access

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**ISSN:** 1380-7501

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#### Record 10 of 126

**Title:** Identifying the effectiveness of manner of cryogenic coolant supply in different cryogenic cooling techniques in turning process-a review

**Author(s):** Sivaiah, P (Sivaiah, P.); Chakradhar, D (Chakradhar, D.)

**Source:** MACHINING SCIENCE AND TECHNOLOGY **DOI:** 10.1080/10910344.2020.1815039 **Early Access Date:** OCT 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000583879200001

**Document Type:** Review; Early Access

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**ISSN:** 1091-0344

**eISSN:** 1532-2483

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#### Record 11 of 126

**Title:** Experimental Investigation and Optimization of Process Parameters in Ti - (6242) Alpha-Beta Alloy Using Electrical Discharge Machining

**Author(s):** Perumal, A (Perumal, A.); Azhagurajan, A (Azhagurajan, A.); Prithivirajan, R (Prithivirajan, R.); Kumar, SS (Kumar, S. Suresh)

**Source:** JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS **DOI:** 10.1007/s10904-020-01786-1 **Early Access Date:** OCT 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000580990700001

**Document Type:** Article; Early Access

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#### Record 12 of 126

**Title:** Use of Atomized Spray Cutting Fluid Technique for the Turning of a Nickel Base Superalloy

**Author(s):** Sivalingam, V (Sivalingam, Vinothkumar); Zhuoliang, Z (Zhuoliang, Zan); Jie, S (Jie, Sun); Baskaran, S (Baskaran, S.); Yuvaraj, N (Yuvaraj, N.); Gupta, MK (Gupta, Munish Kumar); Aqib, MK (Aqib, Mashood Khan)

**Source:** MATERIALS AND MANUFACTURING PROCESSES **DOI:** 10.1080/10426914.2020.1832687 **Early Access Date:** OCT 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000579671700001

**Document Type:** Article; Early Access

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**ISSN:** 1042-6914

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**Record 13 of 126**

**Title:** Recent research progress on transverse injection technique for scramjet applications-a brief review

**Author(s):** Choubey, G (Choubey, Gautam); Yuvarajan, D (Yuvarajan, Devarajan); Huang, W (Huang, Wei); Shafee, A (Shafee, Ahmad); Pandey, KM (Pandey, K. M.)

**Source:** INTERNATIONAL JOURNAL OF HYDROGEN ENERGY **Volume:** 45 **Issue:** 51 **Pages:** 27806-27827 **DOI:** 10.1016/j.ijhydene.2020.07.098 **Published:** OCT 16 2020

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**Accession Number:** WOS:000578042500107

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**ISSN:** 0360-3199

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**Record 14 of 126**

**Title:** Leaf image analysis-based crop diseases classification

**Author(s):** Kurmi, Y (Kurmi, Yashwant); Gangwar, S (Gangwar, Suchi); Agrawal, D (Agrawal, Dheeraj); Kumar, S (Kumar, Satrughan); Srivastava, HS (Srivastava, Hari Shanker)

**Source:** SIGNAL IMAGE AND VIDEO PROCESSING **DOI:** 10.1007/s11760-020-01780-7 **Early Access Date:** OCT 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000578532100001

**Document Type:** Article; Early Access

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**ISSN:** 1863-1703

**eISSN:** 1863-1711

**Record 15 of 126**

**Title:** Heteroatom doped graphene engineering for energy storage and conversion

**Author(s):** Kumar, R (Kumar, Rajesh); Sahoo, S (Sahoo, Sumanta); Joanni, E (Joanni, Ednan); Singh, RK (Singh, Rajesh K.); Maegawa, K (Maegawa, Keiichiro); Tan, WK (Tan, Wai Kian); Kawamura, G (Kawamura, Go); Kar, KK (Kar, Kamal K.); Matsuda, A (Matsuda, Atsunori)

**Source:** MATERIALS TODAY **Volume:** 39 **Pages:** 47-65 **DOI:** 10.1016/j.mattod.2020.04.010 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 6

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**Document Type:** Article

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**Record 16 of 126**

**Title:** Impact of hematocrit on the flow of casson fluid in contact with Jeffery fluid over a narrow pipe

**Author(s):** Devaki, P (Devaki, P.); Rao, AS (Rao, A. Subba); Sharma, RP (Sharma, Ram Prakash); Sreenadh, S (Sreenadh, S.)

**Source:** INDIAN JOURNAL OF PURE & APPLIED PHYSICS **Volume:** 58 **Issue:** 10 **Pages:** 758-764 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 0

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**Document Type:** Article

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**Record 17 of 126**

**Title:** A review on atomic layer deposited buffer layers for Cu(In,Ga)Se-2 (GIGS) thin film solar cells: Past, present, and future

**Author(s):** Sinha, S (Sinha, Soumyadeep); Nandi, DK (Nandi, Dip K.); Pawar, PS (Pawar, Pravin S.); Kim, SH (Kim, Soo-Hyun); Heo, J (Heo, Jaeyeong)

**Source:** SOLAR ENERGY **Volume:** 209 **Pages:** 515-537 **DOI:** 10.1016/j.solener.2020.09.022 **Published:** OCT 2020

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**Accession Number:** WOS:000579876200044

**Document Type:** Review

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ISSN: 0038-092X

**Record 18 of 126**

**Title:** Prioritization based Taxonomy of Cloud-based Outsource Software Development Challenges: Fuzzy AHP analysis

**Author(s):** Akbar, MA (Akbar, Muhammad Azeem); Shameem, M (Shameem, Mohammad); Mahmood, S (Mahmood, Sajjad); Alsanad, A (Alsanad, Ahmed); Gumaei, A (Gumaei, Abdu)

**Source:** APPLIED SOFT COMPUTING **Volume:** 95 **Article Number:** 106557 **DOI:** 10.1016/j.asoc.2020.106557 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 1

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**Accession Number:** WOS:000576776700016

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**Record 19 of 126**

**Title:** Design and analysis of Yb doped ZnO (YZO) and P-Si bilayer nano-stacked reflector for optical filter applications

**Author(s):** Agarwal, L (Agarwal, Lucky); Singh, R (Singh, Richa); Varshney, G (Varshney, Gaurav); SambasivaRao, K (SambasivaRao, K.); Tripathi, S (Tripathi, Shweta)

**Source:** SUPERLATTICES AND MICROSTRUCTURES **Volume:** 146 **Article Number:** 106670 **DOI:** 10.1016/j.spmi.2020.106670 **Published:** OCT 2020

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**Accession Number:** WOS:000573813400005

**Document Type:** Article

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**ISSN:** 0749-6036

**Record 20 of 126**

**Title:** Deep learning based energy efficient optimal timetable rescheduling model for intelligent metro transportation systems

**Author(s):** Kuppusamy, P (Kuppusamy, P.); Venkatraman, S (Venkatraman, S.); Rishikeshan, CA (Rishikeshan, C. A.); Reddy, YCAP (Reddy, Y. C. A. Padmanabha)

**Source:** PHYSICAL COMMUNICATION **Volume:** 42 **Article Number:** 101131 **DOI:** 10.1016/j.phycom.2020.101131 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000572962200028

**Document Type:** Article

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**ISSN:** 1874-4907

**Record 21 of 126**

**Title:** A Robust Decentralized PID Controller Based on Complementary Sensitivity Function for a Multivariable System

**Author(s):** Mahapatro, SR (Mahapatro, Soumya Ranjan); Subudhi, B (Subudhi, Bidyadhar)

**Source:** IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-EXPRESS BRIEFS **Volume:** 67 **Issue:** 10 **Pages:** 2024-2028 **DOI:**

10.1109/TCSII.2019.2943382 **Published:** OCT 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000572634400070

**Document Type:** Article

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Mahapatro, Soumya Ranjan		0000-0002-2405-5335

**ISSN:** 1549-7747

**eISSN:** 1558-3791

**Record 22 of 126****Title:** Influence of Silica on Microstructural Modification of Electrical Discharge Composite Coating and its Wear Performance**Author(s):** Arun, I (Arun, Ilangovan); Yuvaraj, C (Yuvaraj, C.); Jyothibabu, P (Jyothibabu, P.); Reddy, GCS (Reddy, G. Chandra Sekhar)**Source:** SILICON **Volume:** 12 **Issue:** 10 **Pages:** 2375-2386 **DOI:** 10.1007/s12633-019-00333-z **Published:** OCT 2020**Times Cited in Web of Science Core Collection:** 1**Total Times Cited:** 1**Accession Number:** WOS:000563813700011**Document Type:** Article**Addresses:** [Arun, Ilangovan; Yuvaraj, C.; Jyothibabu, P.; Reddy, G. Chandra Sekhar] Madanapalle Inst Technol & Sci, Ctr Adv Mat Proc, Madanapalle 517325, Andhra Pradesh, India.**Corresponding Address:** Arun, I (corresponding author), Madanapalle Inst Technol & Sci, Ctr Adv Mat Proc, Madanapalle 517325, Andhra Pradesh, India.**E-mail Addresses:** arunnbrothers@gmail.com**ISSN:** 1876-990X**eISSN:** 1876-9918**Record 23 of 126****Title:** Nonlinear dynamic responses of layered skew sandwich composite structure and experimental validation**Author(s):** Katariya, PV (Katariya, Pankaj, V); Mehar, K (Mehar, Kulmani); Panda, SK (Panda, Subrata Kumar)**Source:** INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS **Volume:** 125 **Article Number:** 103527 **DOI:** 10.1016/j.ijnonlinmec.2020.103527 **Published:** OCT 2020**Times Cited in Web of Science Core Collection:** 2**Total Times Cited:** 2**Accession Number:** WOS:000560543700004**Document Type:** Article**Addresses:** [Katariya, Pankaj, V; Panda, Subrata Kumar] Natl Inst Technol Rourkela, Dept Mech Engr, Rourkela 769008, India.

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**ISSN:** 0020-7462**eISSN:** 1878-5638**Record 24 of 126****Title:** Feasibility study of employing diverse antioxidants as an additive in research diesel engine running with diesel-biodiesel blends**Author(s):** Devarajan, Y (Devarajan, Yuvarajan); Nagappan, B (Nagappan, Beemkumar); Mageshwaran, G (Mageshwaran, G.); Kumar, MS (Kumar, M. Sunil);

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**Source:** FUEL **Volume:** 277 **Article Number:** 118161 **DOI:** 10.1016/j.fuel.2020.118161 **Published:** OCT 1 2020**Times Cited in Web of Science Core Collection:** 3**Total Times Cited:** 3**Accession Number:** WOS:000541255200050**Document Type:** Article**Addresses:** [Devarajan, Yuvarajan] Madanapalle Inst Technol & Sci, Dept Mech Engr, Madanapalle 517325, India.

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**ISSN:** 0016-2361**eISSN:** 1873-7153**Record 25 of 126****Title:** Structural, optical and photoresponse characteristics of metal-insulator-semiconductor (MIS) type Au/Ni/CeO<sub>2</sub>/GaN Schottky barrier ultraviolet photodetector**Author(s):** Nallabala, NKR (Nallabala, Nanda Kumar Reddy); Godavarthi, S (Godavarthi, Srinivas); Kummara, VK (Kummara, Venkata Krishnaiah); Kesarla, MK (Kesarla, Mohan Kumar); Saha, D (Saha, Debabrata); Akkera, HS (Akkera, Harish Sharma); Guntupalli, GK (Guntupalli, Gopi Krishna); Kumar, S (Kumar, Suresh); Vattikuti, SVP (Vattikuti, S. V. Prabhakar)**Source:** MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING **Volume:** 117 **Article Number:** 105190 **DOI:** 10.1016/j.mssp.2020.105190 **Published:** OCT 2020**Times Cited in Web of Science Core Collection:** 1**Total Times Cited:** 1**Accession Number:** WOS:000541163300022

**Document Type:** Article

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**ISSN:** 1369-8001

**eISSN:** 1873-4081

**Record 26 of 126**

**Title:** Intelligent physical systems for strategic planning and management of enterprise information

**Author(s):** Ye, CY (Ye, Changyou); Song, XW (Song, Xiaowei); Vivekananda, GN (Vivekananda, G. N.); Savitha, V (Savitha, V.)

**Source:** PEER-TO-PEER NETWORKING AND APPLICATIONS **DOI:** 10.1007/s12083-020-00966-7 **Early Access Date:** SEP 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000571148400001

**Document Type:** Article; Early Access

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**ISSN:** 1936-6442

**eISSN:** 1936-6450

**Record 27 of 126**

**Title:** Investigation on turning process performance using hybrid-textured tools under dry and conventional cooling environment

**Author(s):** Sivaiah, P (Sivaiah, P.); Singh, MM (Singh, Muralidhar M.); Venkatesu, S (Venkatesu, Sadu); Yoganjaneyulu, G (Yoganjaneyulu, G.)

**Source:** MATERIALS AND MANUFACTURING PROCESSES **Volume:** 35 **Issue:** 16 **Pages:** 1852-1859 **DOI:** 10.1080/10426914.2020.1813893 **Early Access Date:** SEP 2020 **Published:** DEC 9 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000567578000001

**Document Type:** Article

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**ISSN:** 1042-6914

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**Record 28 of 126**

**Title:** Fuzzy Goal Programming with an Imprecise Intuitionistic Fuzzy Preference Relations

**Author(s):** Ghaffar, ARA (Abdul Ghaffar, Abdul Razzaq); Hasan, MG (Hasan, Md. Gulzarul); Ashraf, Z (Ashraf, Zubair); Khan, MF (Khan, Mohammad Faisal)

**Source:** SYMMETRY-BASEL **Volume:** 12 **Issue:** 9 **Article Number:** 1548 **DOI:** 10.3390/sym12091548 **Published:** SEP 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000587594400001

**Document Type:** Article

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**Record 29 of 126**

**Title:** Novel Time-Domain Parameters for Detection and Classification of Flaws Using Pulsed Eddy Current Technique

**Author(s):** Rao, KS (Rao, K. Sambasiva); Beatriceveena, TV (Beatriceveena, T., V); Angani, CS (Angani, C. S.); Agarwal, L (Agarwal, Lucky)

**Source:** JOURNAL OF MAGNETICS **Volume:** 25 **Issue:** 3 **Pages:** 434-439 **DOI:** 10.4283/JMAG.2020.25.3.434 **Published:** SEP 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000582750500016

**Document Type:** Article

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**ISSN:** 1226-1750

**eISSN:** 2233-6656

**Record 30 of 126**

**Title:** Hybrid Optimal Energy Management for Clustering in Wireless Sensor Network

**Author(s):** Priya, AV (Priya, A. Vishnu); Srivastava, AK (Srivastava, Ashish Kumar); Arun, V (Arun, V)

**Source:** COMPUTERS & ELECTRICAL ENGINEERING **Volume:** 86 **Article Number:** 106708 **DOI:** 10.1016/j.compeleceng.2020.106708 **Published:** SEP 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000579332500023

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**ISSN:** 0045-7906

**eISSN:** 1879-0755

**Record 31 of 126**

**Title:** Assessment of Spectrum Handoff Performance in Cognitive Radio Cellular Networks

**Author(s):** Hoque, S (Hoque, S.); Arif, W (Arif, W.); Sen, D (Sen, D.)

**Source:** IEEE WIRELESS COMMUNICATIONS LETTERS **Volume:** 9 **Issue:** 9 **Pages:** 1403-1407 **DOI:** 10.1109/LWC.2020.2992066 **Published:** SEPT 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000569062000015

**Document Type:** Article

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**ISSN:** 2162-2337

**eISSN:** 2162-2345

**Record 32 of 126**

**Title:** Stacked Back Reflector Architecture for Advanced Optical Management in State-of-the-Art Single-Junction mu c-Si:H Solar Cells

**Author(s):** Baral, A (Baral, Apurba); Das, G (Das, Gourab); Roy, AB (Roy, Arijit Bardhan); Kole, A (Kole, Arindam); Mukherjee, N (Mukherjee, Nillohit); Bose, S (Bose, Sukanta)

**Source:** IEEE JOURNAL OF PHOTOVOLTAICS **Volume:** 10 **Issue:** 5 **Pages:** 1203-1213 **DOI:** 10.1109/JPHOTOV.2020.3008263 **Published:** SEPT 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000562057700001

**Document Type:** Article

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ISSN: 2156-3381

eISSN: 2156-3403

**Record 33 of 126**

**Title:** Investigating the mechanical, thermal and melt flow index properties of HNTs - LLDPE nano composites for the applications of rotational moulding

**Author(s):** Sangeetha, V (Sangeetha, V); Gopinath, D (Gopinath, D.); Prithivirajan, R (Prithivirajan, R.); Chandran, VG (Chandran, V. Girish); Kumar, RM (Kumar, R. Manoj)

**Source:** POLYMER TESTING **Volume:** 89 **Article Number:** 106595 **DOI:** 10.1016/j.polymertesting.2020.106595 **Published:** SEP 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

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**Document Type:** Article

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ISSN: 0142-9418

eISSN: 1873-2348

**Record 34 of 126**

**Title:** A comparison on microstructure and mechanical properties of electric discharge metal matrix nickel and silica composite coating on duplex stainless steel

**Author(s):** Arun, I (Arun, Ilangovan); Yuvaraj, C (Yuvaraj, C.); Madhu, A (Madhu, A.); Ramesh, T (Ramesh, T.)

**Source:** JOURNAL OF COMPOSITE MATERIALS **Article Number:** 0021998320953882 **DOI:** 10.1177/0021998320953882 **Early Access Date:** AUG 2020

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**Record 35 of 126**

**Title:** Corrosion behaviour of detonation gun sprayed cermet coatings on AA5083

**Author(s):** Arunnellaiappan, T (Arunnelliappan, T.); Baskaran, S (Baskaran, S.); Arun, S (Arun, S.); Prithivirajan, R (Prithivirajan, R.)

**Source:** SURFACE ENGINEERING **DOI:** 10.1080/02670844.2020.1807096 **Early Access Date:** AUG 2020

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**Document Type:** Article; Early Access

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ISSN: 0267-0844

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**Record 36 of 126**

**Title:** Degradation of distillery effluent by twisted-type Iron electrodes: experimental with ANN approach

**Author(s):** David, C (David, Charles); Karpagaraj, A (Karpagaraj, A.); Thangavelu, A (Thangavelu, Arunnelliappan)

Source: INTERNATIONAL JOURNAL OF ENVIRONMENTAL CHEMISTRY DOI: 10.1080/03067319.2020.1807532 Early Access Date: AUG 2020

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ISSN: 0306-7319

eISSN: 1029-0397

#### Record 37 of 126

Title: Experimental investigation on lowering the environmental hazards and improving the performance patterns of solar flat plate collectors by employing the internal longitudinal fins and nano additives

Author(s): Munuswamy, DB (Munuswamy, Dinesh Babu); Devarajan, Y (Devarajan, Yuvarajan); Babu, MN (Babu, M. Naresh); Ramalingam, S (Ramalingam, Sathiyamoorthi)

Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH DOI: 10.1007/s11356-020-10311-3 Early Access Date: AUG 2020

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000559430900001

PubMed ID: 32794093

Document Type: Article; Early Access

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Sathiyamoorthi	O-1696-2019	0000-0002-5428-3996

ISSN: 0944-1344

eISSN: 1614-7499

#### Record 38 of 126

Title: Machinability evaluation during machining of AISI 52100 steel with textured tools under Minimum Quantity Lubrication - A comparative study

Author(s): Sivaiah, P (Sivaiah, P.); Prasad, MG (Prasad, M. Guru); Singh, MM (Singh, Muralidhar M.); Uma, B (Uma, B.)

Source: MATERIALS AND MANUFACTURING PROCESSES Volume: 35 Issue: 15 Pages: 1761-1768 DOI: 10.1080/10426914.2020.1802034 Early Access Date: AUG 2020 Published: NOV 17 2020

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000558968600001

Document Type: Article

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ISSN: 1042-6914

eISSN: 1532-2475

#### Record 39 of 126

Title: Analytic Hierarchy Process Based Prioritisation and Taxonomy of Success Factors for Scaling Agile Methods in Global Software Development

Author(s): Shameem, M (Shameem, Mohammad); Khan, AA (Khan, Arif Ali); Hasan, MG (Hasan, Md. Gulzarul); Akbar, MA (Akbar, Muhammad Azeem)

Source: IET SOFTWARE Volume: 14 Issue: 4 Pages: 389-401 DOI: 10.1049/iet-sen.2019.0196 Published: AUG 2020

Times Cited in Web of Science Core Collection: 3

Total Times Cited: 3

Accession Number: WOS:000588424400007

**Document Type:** Article**Addresses:** [Shameem, Mohammad] Madanapalle Inst Technol & Sci, Dept Comp Applicat, Madanapalle, AP, India.

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**ISSN:** 1751-8806**eISSN:** 1751-8814**Record 40 of 126****Title:** Wear behaviour of whisker-reinforced ceramic tools in the turning of Inconel 718 assisted by an atomized spray of solid lubricants**Author(s):** Sivalingam, V (Sivalingam, Vinothkumar); Zan, ZL (Zan, Zhuoliang); Sun, J (Sun, Jie); Selvam, B (Selvam, Baskaran); Gupta, MK (Gupta, Munish Kumar); Jamil, M (Jamil, Muhammad); Mia, M (Mia, Mozammel)**Source:** TRIBOLOGY INTERNATIONAL **Volume:** 148 **Article Number:** 106235 **DOI:** 10.1016/j.triboint.2020.106235 **Published:** AUG 2020**Times Cited in Web of Science Core Collection:** 3**Total Times Cited:** 3**Accession Number:** WOS:000530851300002**Document Type:** Article**Addresses:** [Sivalingam, Vinothkumar; Zan, Zhuoliang; Sun, Jie; Gupta, Munish Kumar] Shandong Univ, Sch Mech Engr, Jinan 250061, Peoples R China.

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SIVALINGAM, VINOTHKUMAR	N-7438-2016	0000-0002-6705-5933

**ISSN:** 0301-679X**eISSN:** 1879-2464**Record 41 of 126****Title:** Internet of things assisted condition-based support for smart manufacturing industry using learning technique**Author(s):** Li, J (Li, Jing); Tao, H (Tao, Hai); Liu, SH (Shuhong Liu); Salih, SQ (Salih, Sinan Q.); Zain, JM (Zain, Jasni Mohamad); Liu, YK (Yankun Liu); Vivekananda, GN (Vivekananda, G. N.); Thanjaivadel, M (Thanjaivadel, M.)**Source:** COMPUTATIONAL INTELLIGENCE **Volume:** 36 **Issue:** 4 **Pages:** 1737-1754 **DOI:** 10.1111/coin.12319 **Early Access Date:** JUL 2020 **Published:** NOV 2020**Times Cited in Web of Science Core Collection:** 0**Total Times Cited:** 0**Accession Number:** WOS:000552882300001**Document Type:** Article**Addresses:** [Li, Jing; Shuhong Liu; Yankun Liu] Lanzhou City Univ, Business Sch, Lanzhou 730000, Peoples R China.

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**Record 43 of 126**

**Title:** Adsorbed Cr(VI) based activated carbon/polyaniline nanocomposite: A superior electrode material for asymmetric supercapacitor device

**Author(s):** Acharya, S (Acharya, Sourav); Sahoo, S (Sahoo, Sumanta); Sonal, S (Sonal, Sonalika); Lee, JH (Lee, Joong Hee); Mishra, BK (Mishra, Brijesh K.); Nayak, GC (Nayak, G. C.)

**Source:** COMPOSITES PART B-ENGINEERING **Volume:** 193 **Article Number:** 107913 **DOI:** 10.1016/j.compositesb.2020.107913 **Published:** JUL 15 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

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**Document Type:** Article

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Nayak, Dr Ganesh Chandra	N-6024-2016	0000-0003-4470-9268

ISSN: 1359-8368

eISSN: 1879-1069

**Record 44 of 126**

**Title:** Mechanical and physical properties of cellular lightweight concrete block masonry

**Author(s):** Bhosale, A (Bhosale, Avadhoot); Zade, NP (Zade, Nikhil P.); Sarkar, P (Sarkar, Pradip); Davis, R (Davis, Robin)

**Source:** CONSTRUCTION AND BUILDING MATERIALS **Volume:** 248 **Article Number:** 118621 **DOI:** 10.1016/j.conbuildmat.2020.118621 **Published:** JUL 10 2020

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**Total Times Cited:** 0

**Accession Number:** WOS:000531081200026

**Document Type:** Article

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**Record 45 of 126**

**Title:** Heat transfer enhancement through porous fins: A comprehensive review of recent developments and innovations

**Author(s):** Deshamukhya, T (Deshamukhya, Tuhin); Bhanja, D (Bhanja, Dipankar); Nath, S (Nath, Sujit)

**Source:** PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE **Article Number:** 0954406220939600 **DOI:** 10.1177/0954406220939600 **Early Access Date:** JUL 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000546606100001

**Document Type:** Review; Early Access

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**Record 46 of 126****Title:** A fuzzy analytical hierarchy process to prioritize the success factors of requirement change management in global software development**Author(s):** Akbar, MA (Akbar, Muhammad Azeem); Shameem, M (Shameem, Mohammad); Khan, AA (Khan, Arif Ali); Nadeem, M (Nadeem, Mohammad); Alsanad, A (Alsanad, Ahmed); Gumaiei, A (Gumaiei, Abdu)**Source:** JOURNAL OF SOFTWARE-EVOLUTION AND PROCESS **Article Number:** e2292 **DOI:** 10.1002/smr.2292 **Early Access Date:** JUL 2020**Times Cited in Web of Science Core Collection:** 1**Total Times Cited:** 1**Accession Number:** WOS:000545856200001**Document Type:** Article; Early Access**Addresses:** [Akbar, Muhammad Azeem; Khan, Arif Ali] Nanjing Univ Aeronaut & Astronaut, Coll Comp Sci & Technol, Nanjing, Peoples R China.

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ISSN: 2047-7473

eISSN: 2047-7481

**Record 47 of 126****Title:** Emission study on the effect of ignition improver in diesel fueled engine**Author(s):** Devarajan, Y (Devarajan, Yuvarajan); Choubey, G (Choubey, Gautam); Sellappan, S (Sellappan, Sivasaravanan); Muniraj, SK (Muniraj, Sunil Kumar); Pillai, BDP (Pillai, Booma Devi Perumal)**Source:** PETROLEUM SCIENCE AND TECHNOLOGY **Volume:** 38 **Issue:** 12 **Pages:** 763-771 **DOI:** 10.1080/10916466.2020.1781169 **Early Access Date:** JUL 2020**Published:** JUN 17 2020**Times Cited in Web of Science Core Collection:** 2**Total Times Cited:** 2**Accession Number:** WOS:000546276600001**Document Type:** Article**Addresses:** [Devarajan, Yuvarajan] Madanapalle Inst Technol & Sci, Dept Mech Engn, Madanapalle 517325, Andhra Pradesh, India.

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ISSN: 1091-6466

eISSN: 1532-2459

**Record 48 of 126****Title:** ENHANCEMENT OF AMETRYN BIODEGRADATION EFFICIENCY USING ANTHRAQUINONE-2,6-DISULPHONATE IN ANAEROBIC-AEROBIC TREATMENT**Author(s):** Basappa, MG (Basappa, Mahesh Gajanuru); Manu, B (Manu, Basavaraju)**Source:** ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL **Volume:** 19 **Issue:** 7 **Pages:** 1225-1236 **Published:** JUL 2020**Times Cited in Web of Science Core Collection:** 0**Total Times Cited:** 0**Accession Number:** WOS:000562935900014**Document Type:** Article**Addresses:** [Basappa, Mahesh Gajanuru] Madanapalle Inst Technol & Sci, Dept Civil Engn, Post Box 14, Kadiri Rd, Madanapalle 517325, Andhra Pradesh, India.

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ISSN: 1582-9596

eISSN: 1843-3707

**Record 49 of 126****Title:** An Adaptive Variable Leaky Least Mean Square Control Scheme for Grid Integration of a PV System**Author(s):** Bag, A (Bag, Aurobinda); Subudhi, B (Subudhi, Bidyadhar); Ray, PK (Ray, Pravat Kumar)**Source:** IEEE TRANSACTIONS ON SUSTAINABLE ENERGY **Volume:** 11 **Issue:** 3 **Pages:** 1508-1515 **DOI:** 10.1109/TSTE.2019.2929551 **Published:** JUL 2020**Times Cited in Web of Science Core Collection:** 0

Total Times Cited: 0

Accession Number: WOS:000544925300035

Document Type: Article

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Record 50 of 126

Title: Near infrared broadband and visible upconversion emissions of erbium ions in oxyfluoride glasses for optical amplifier applications

Author(s): Kummara, VK (Kummara, Venkata Krishnaiah); Neelima, G (Neelima, G.); Ravi, N (Ravi, N.); Reddy, NNK (Reddy, Nallabala Nanda Kumar); Reddy, HSK (Reddy, Satish Kumar H.); Viswanath, CSD (Viswanath, Dwaraka C. S.); Lenine, D (Lenine, D.); Surekha, G (Surekha, G.); Suvarna, RP (Suvarna, Padma R.); Yuvaraj, C (Yuvaraj, C.); Venkatramu, V (Venkatramu, V.)

Source: OPTICS AND LASER TECHNOLOGY Volume: 127 Article Number: 106167 DOI: 10.1016/j.optlastec.2020.106167 Published: JUL 2020

Times Cited in Web of Science Core Collection: 2

Total Times Cited: 2

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Document Type: Article

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**Record 51 of 126****Title:** Hydrogen fuel in scramjet engines - A brief review**Author(s):** Choubey, G (Choubey, Gautam); Yuvarajan, D (Yuvarajan, D.); Huang, W (Huang, Wei); Yan, L (Yan, Li); Babazadeh, H (Babazadeh, Houman); Pandey, KM (Pandey, K. M.)**Source:** INTERNATIONAL JOURNAL OF HYDROGEN ENERGY **Volume:** 45 **Issue:** 33 **Pages:** 16799-16815 **DOI:** 10.1016/j.ijhydene.2020.04.086 **Published:** JUN 24 2020**Times Cited in Web of Science Core Collection:** 7**Total Times Cited:** 7**Accession Number:** WOS:000538168400042**Document Type:** Review**Addresses:** [Choubey, Gautam] Inst Infrastruct Technol Res & Management IITRAM, Dept Mech Engn, Ahmadabad 380026, Gujarat, India.

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Babazadeh, H	ABF-3389-2020	
Pandey, K. M.	D-4492-2012	0000-0001-7885-0353

**ISSN:** 0360-3199**eISSN:** 1879-3487**Record 52 of 126****Title:** Watermark Visibility Adjustable RVW Scheme for JPEG Images**Author(s):** Brabin, DRD (Brabin, D. R. Denslin); Perinbam, JRP (Perinbam, J. Raja Paul); Meganathan, D (Meganathan, D.)**Source:** WIRELESS PERSONAL COMMUNICATIONS **Volume:** 115 **Issue:** 1 **Pages:** 187-202 **DOI:** 10.1007/s11277-020-07567-w **Early Access Date:** JUN 2020 **Published:** NOV 2020**Times Cited in Web of Science Core Collection:** 0**Total Times Cited:** 0**Accession Number:** WOS:000542851600006**Document Type:** Article**Addresses:** [Brabin, D. R. Denslin] Madanapalle Inst Technol & Sci, Dept Comp Sci & Engn, Madanapalle, Andhra Pradesh, India.

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**ISSN:** 0929-6212**eISSN:** 1572-834X**Record 53 of 126****Title:** Dispersion of Love waves in prestressed double-layered medium over a gravitating half-space**Author(s):** Prasad, B (Prasad, Bishwanath); Kundu, S (Kundu, Santimoy); Pal, PC (Pal, Prakash Chandra); Alam, P (Alam, Parvez)**Source:** ARABIAN JOURNAL OF GEOSCIENCES **Volume:** 13 **Issue:** 13 **Article Number:** 500 **DOI:** 10.1007/s12517-020-05354-2 **Published:** JUN 18 2020**Times Cited in Web of Science Core Collection:** 0**Total Times Cited:** 0**Accession Number:** WOS:000545622400002**Document Type:** Article**Addresses:** [Prasad, Bishwanath; Kundu, Santimoy; Pal, Prakash Chandra] Indian Inst Technol, Indian Sch Mines, Dept Appl Math, Dhanbad 826004, Bihar, India.

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**Title:** A comprehensive review on the modeling of smart piezoelectric nanostructures

**Author(s):** Ebrahimi, F (Ebrahimi, Farzad); Hosseini, SHS (Hosseini, S. H. S.); Singhal, A (Singhal, Abhinav)

**Source:** STRUCTURAL ENGINEERING AND MECHANICS **Volume:** 74 **Issue:** 5 **Pages:** 611-633 **DOI:** 10.12989/sem.2020.74.5.611 **Published:** JUN 10 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000540707600004

**Document Type:** Review

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Ebrahimi, Farzad	AAT-4445-2020	0000-0001-9091-4647

**ISSN:** 1225-4568

**eISSN:** 1598-6217

#### Record 55 of 126

**Title:** Multi-temporal image analysis for LULC classification and change detection

**Author(s):** Vivekananda, GN (Vivekananda, G. N.); Swathi, R (Swathi, R.); Sujith, AVLN (Sujith, A. V. L. N.)

**Source:** EUROPEAN JOURNAL OF REMOTE SENSING **DOI:** 10.1080/22797254.2020.1771215 **Early Access Date:** JUN 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000544378000001

**Document Type:** Article; Early Access

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G N, Vivekananda	L-5335-2014	0000-0001-7292-7436

**eISSN:** 2279-7254

#### Record 56 of 126

**Title:** Goal Programming Models with Linear and Exponential Fuzzy Preference Relations

**Author(s):** Khan, MF (Khan, Mohammad Faisal); Hasan, MG (Hasan, Md Gulzarul); Quddoos, A (Quddoos, Abdul); Fugenschuh, A (Fuegenschuh, Armin); Hasan, SS (Hasan, Syed Suhaib)

**Source:** SYMMETRY-BASEL **Volume:** 12 **Issue:** 6 **Article Number:** 934 **DOI:** 10.3390/sym12060934 **Published:** JUN 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000550789400001

**Document Type:** Article

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Fugenschuh, Armin		0000-0003-3637-4066

**eISSN:** 2073-8994

#### Record 57 of 126

**Title:** Effect of Substructure on Hardness and Conductivity of Copper During Annealing

**Author(s):** Sengupta, S (Sengupta, Srijan); Kumar, P (Kumar, Pawan); Makhatha, ME (Makhatha, Mamookho Elizabeth); Dutt, AK (Dutt, Aniket Kumar)

**Source:** TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS **Volume:** 73 **Issue:** 6 **Special Issue:** SI **Pages:** 1543-1547 **DOI:** 10.1007/s12666-020-01932-w **Published:** JUN 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000543732700021

**Document Type:** Article; Proceedings Paper

**Conference Title:** 2nd International Conference on Recent Trends in Metallurgy, Materials Science and Manufacturing (IMME)

**Conference Date:** DEC 27-28, 2019

**Conference Location:** Tiruchirappalli, INDIA

**Addresses:** [Sengupta, Srijan] Madanapalle Inst Technol & Sci, Madanapalle 517325, Andhra Pradesh, India.

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**ISSN:** 0972-2815

**eISSN:** 0975-1645

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**Record 58 of 126**

**Title:** High responsivity ZnO based p-n homojunction UV-photodetector with series Schottky barrier

**Author(s):** Agarwal, L (Agarwal, Lucky); Tripathi, S (Tripathi, Shweta)

**Source:** SEMICONDUCTOR SCIENCE AND TECHNOLOGY **Volume:** 35 **Issue:** 6 **Article Number:** 065001 **DOI:** 10.1088/1361-6641/ab7b0a **Published:** JUN 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000528578200001

**Document Type:** Article

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**ISSN:** 0268-1242

**eISSN:** 1361-6641

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**Record 59 of 126**

**Title:** Detailed study on the effect of different ignition enhancers in the binary blends of diesel/biodiesel as a possible substitute for unaltered compression ignition engine

**Author(s):** Devarajan, Y (Devarajan, Yuvarajan); Munuswamy, D (Munuswamy, Dineshbabu); Nagappan, B (Nagappan, Beemkumar); Ganesan, S (Ganesan, S.)

**Source:** PETROLEUM SCIENCE **Volume:** 17 **Issue:** 4 **Pages:** 1151-1158 **DOI:** 10.1007/s12182-020-00463-9 **Early Access Date:** MAY 2020 **Published:** AUG 2020

**Times Cited in Web of Science Core Collection:** 6

**Total Times Cited:** 6

**Accession Number:** WOS:000536421600001

**Document Type:** Article

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N, Beemkumar	G-3377-2015	0000-0003-3868-0382

**ISSN:** 1672-5107

**eISSN:** 1995-8226

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**Record 60 of 126**

**Title:** Superconducting magnetic energy storage system with an improved nonlinear control approach for pulsed power applications

**Author(s):** Penthia, T (Penthia, Trilochan); Panda, AK (Panda, Anup Kumar); Mohanty, PR (Mohanty, Pratap Ranjan); Patnaik, N (Patnaik, Nishant)

**Source:** INTERNATIONAL TRANSACTIONS ON ELECTRICAL ENERGY SYSTEMS **Volume:** 30 **Issue:** 8 **Article Number:** e12464 **DOI:** 10.1002/2050-7038.12464 **Early Access Date:** MAY 2020 **Published:** AUG 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000535464000001

**Document Type:** Article

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ISSN: 2050-7038

#### Record 61 of 126

**Title:** Influence of antioxidant additives on performance and emission characteristics of beef tallow biodiesel-fuelled C.I engine

**Author(s):** Nagappan, B (Nagappan, Beemkumar); Devarajan, Y (Devarajan, Yuvarajan); Kariappan, E (Kariappan, Elangovan); Philip, SB (Philip, Shone Biju); Gautam, S (Gautam, Shivam)

**Source:** ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH **DOI:** 10.1007/s11356-020-09065-9 **Early Access Date:** MAY 2020

**Times Cited in Web of Science Core Collection:** 5

**Total Times Cited:** 5

**Accession Number:** WOS:000532905200004

**PubMed ID:** 32410194

**Document Type:** Article; Early Access

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N, Beemkumar	G-3377-2015	0000-0003-3868-0382

ISSN: 0944-1344

eISSN: 1614-7499

#### Record 62 of 126

**Title:** Numerical investigation and experimental verification of thermal frequency of carbon nanotube-reinforced sandwich structure

**Author(s):** Mehar, K (Mehar, Kulmani); Panda, SK (Panda, Subrata Kumar); Sharma, N (Sharma, Nitin)

**Source:** ENGINEERING STRUCTURES **Volume:** 211 **Article Number:** 110444 **DOI:** 10.1016/j.engstruct.2020.110444 **Published:** MAY 15 2020

**Times Cited in Web of Science Core Collection:** 12

**Total Times Cited:** 12

**Accession Number:** WOS:000529909800031

**Document Type:** Article

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ISSN: 0141-0296

eISSN: 1873-7323

#### Record 63 of 126

**Title:** An experimental study on the influence of an oxygenated additive in diesel engine fuelled with neat papaya seed biodiesel/diesel blends

**Author(s):** Devarajan, Y (Devarajan, Yuvarajan); Beemkumar, N (Beemkumar, Nagappan); Ganesan, S (Ganesan, S.); Arunkumar, T (Arunkumar, T.)

**Source:** FUEL **Volume:** 268 **Article Number:** 117254 **DOI:** 10.1016/j.fuel.2020.117254 **Published:** MAY 15 2020

**Times Cited in Web of Science Core Collection:** 20

**Total Times Cited:** 20

**Accession Number:** WOS:000518815900025

**Document Type:** Article

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T, Arunkumar	R-7611-2019	0000-0003-4425-2878
, Yuvarajan	AAN-7100-2020	

**Record 64 of 126**

**Title:** Numerical buckling analysis of graded CNT-reinforced composite sandwich shell structure under thermal loading (vol 216, pg 406, 2019)

**Author(s):** Mehar, K (Mehar, Kulmani); Panda, SK (Panda, Subrata Kumar); Devarajan, Y (Devarajan, Yuvarajan); Choubey, G (Choubey, Gautam)

**Source:** COMPOSITE STRUCTURES **Volume:** 240 **Article Number:** 112064 **DOI:** 10.1016/j.compstruct.2020.112064 **Published:** MAY 15 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000521270400005

**Document Type:** Correction

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eISSN: 1879-1085

**Record 65 of 126**

**Title:** Extraction and Characterization of Novel Natural Cellulosic Fibers from Pigeon Pea Plant

**Author(s):** Kulandaivel, N (Kulandaivel, Nijandhan); Muralikannan, R (Muralikannan, R.); KalyanaSundaram, S (KalyanaSundaram, S.)

**Source:** JOURNAL OF NATURAL FIBERS **Volume:** 17 **Issue:** 5 **Pages:** 769-779 **DOI:** 10.1080/15440478.2018.1534184 **Published:** MAY 3 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000522649800013

**Document Type:** Article

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ISSN: 1544-0478

eISSN: 1544-046X

**Record 66 of 126**

**Title:** Investigating vibrational behavior of graphene sheets under linearly varying in-plane bending load based on the nonlocal strain gradient theory

**Author(s):** Shariati, A (Ali Shariati); Barati, MR (Barati, Mohammad Reza); Ebrahimi, F (Ebrahimi, Farzad); Singhal, A (Singhal, Abhinav); Toghroli, A (Ali Toghroli)

**Source:** ADVANCES IN NANO RESEARCH **Volume:** 8 **Issue:** 4 **Pages:** 265-276 **DOI:** 10.12989/anr.2020.8.4.265 **Published:** MAY 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000536468500001

**Document Type:** Article

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ISSN: 2287-237X

eISSN: 2287-2388

**Record 67 of 126**

**Title:** Comparative study on structural, electronic, optical and mechanical properties of normal and high pressure phases titanium dioxide using DFT

**Author(s):** Dharmale, N (Dharmale, Neerja); Chaudhury, S (Chaudhury, Saurabh); Mahamune, R (Mahamune, Rupesh); Dash, D (Dash, Debashish)

**Source:** MATERIALS RESEARCH EXPRESS **Volume:** 7 **Issue:** 5 **Article Number:** 054004 **DOI:** 10.1088/2053-1591/ab8d5c **Published:** MAY 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

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DASH, DEBASHISH	J-1851-2015	0000-0002-5589-2267
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eISSN: 2053-1591

**Record 68 of 126****Title:** Facile synthesis of NiCo<sub>2</sub>O<sub>4</sub> nanorods for electrocatalytic oxidation of methanol**Author(s):** Das, AK (Das, Ashok Kumar); Jena, S (Jena, Swarnabala); Sahoo, S (Sahoo, Sumanta); Kuchi, R (Kuchi, Rambabu); Kim, D (Kim, Dongsoo); Aljohani, TA (Aljohani, Talal A.); Nayak, GC (Nayak, Ganesh Chandra); Jeong, JR (Jeong, Jong-Ryul)**Source:** JOURNAL OF SAUDI CHEMICAL SOCIETY **Volume:** 24 **Issue:** 5 **Pages:** 434-444 **DOI:** 10.1016/j.jscs.2020.03.007 **Published:** MAY 2020**Times Cited in Web of Science Core Collection:** 0**Total Times Cited:** 0**Accession Number:** WOS:000531561600006**Document Type:** Article**Addresses:** [Das, Ashok Kumar; Sahoo, Sumanta; Nayak, Ganesh Chandra] Indian Inst Technol ISM, Dept Appl Chem, Dhanbad 826004, Bihar, India.

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Nayak, Dr Ganesh Chandra	N-6024-2016	0000-0003-4470-9268

ISSN: 1319-6103

eISSN: 2212-4640

**Record 69 of 126****Title:** A Linear-to-Circular Polarization Conversion Metasurface Based Wideband Aperture Coupled Antenna**Author(s):** Swain, R (Swain, Rajanikanta); Chatterjee, A (Chatterjee, Ayan); Nanda, S (Nanda, Sambhudutta); Mishra, RK (Mishra, Rabindra Kishore)**Source:** JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY **Volume:** 15 **Issue:** 3 **Pages:** 1293-1299 **DOI:** 10.1007/s42835-020-00402-z **Published:** MAY 2020**Times Cited in Web of Science Core Collection:** 1**Total Times Cited:** 1**Accession Number:** WOS:000531467200028**Document Type:** Article**Addresses:** [Swain, Rajanikanta; Mishra, Rabindra Kishore] Berhampur Univ, Dept Elect Sci, Brahmapur 760007, Odisha, India.

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**Record 70 of 126****Title:** Taxonomical classification of barriers for scaling agile methods in global software development environment using fuzzy analytic hierarchy process**Author(s):** Shameem, M (Shameem, Mohammad); Kumar, RR (Kumar, Rakesh Ranjan); Nadeem, M (Nadeem, Mohammad); Khan, AA (Khan, Arif Ali)**Source:** APPLIED SOFT COMPUTING **Volume:** 90 **Article Number:** 106122 **DOI:** 10.1016/j.asoc.2020.106122 **Published:** MAY 2020**Times Cited in Web of Science Core Collection:** 6**Total Times Cited:** 7**Accession Number:** WOS:000529902300006**Document Type:** Article**Addresses:** [Shameem, Mohammad] Madanapalle Inst Technol & Sci, Dept Comp Applicat, Madanapalle, Andhra Pradesh, India.

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ISSN: 1568-4946

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**Record 71 of 126**

**Title:** Least Mean Square (LMS) based neural design and metric evaluation for auscultation signal separation

**Author(s):** Sathesh, K (Sathesh, K.); Rajkumar, S (Rajkumar, S.); Goyal, NK (Goyal, Neeraj Kumar)

**Source:** BIOMEDICAL SIGNAL PROCESSING AND CONTROL **Volume:** 59 **Article Number:** 101784 **DOI:** 10.1016/j.bspc.2019.101784 **Published:** MAY 2020

**Times Cited in Web of Science Core Collection:** 1

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**Record 72 of 126**

**Title:** Design of a meandered line microstrip antenna with a slotted ground plane for RFID applications

**Author(s):** Das, TK (Das, Tanmaya Kumar); Dwivedy, B (Dwivedy, Biswajit); Behera, SK (Behera, Santanu Kumar)

**Source:** AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS **Volume:** 118 **Article Number:** UNSP 153130 **DOI:** 10.1016/j.aeue.2020.153130 **Published:** MAY 2020

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eISSN: 1618-0399

**Record 73 of 126**

**Title:** A New Model Reduction Method for the Linear Dynamic Systems and Its Application for the Design of Compensator

**Author(s):** Prajapati, AK (Prajapati, Arvind Kumar); Prasad, R (Prasad, Rajendra)

**Source:** CIRCUITS SYSTEMS AND SIGNAL PROCESSING **Volume:** 39 **Issue:** 5 **Pages:** 2328-2348 **DOI:** 10.1007/s00034-019-01264-1 **Published:** MAY 2020

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eISSN: 1531-5878

**Record 74 of 126**

**Title:** Solar PV Energy Generation System Interfaced to Three Phase Grid With Improved Power Quality

**Author(s):** Singh, AK (Singh, Amresh Kumar); Kumar, S (Kumar, Shailendra); Singh, B (Singh, Bhim)

**Source:** IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS **Volume:** 67 **Issue:** 5 **Pages:** 3798-3808 **DOI:** 10.1109/TIE.2019.2921278 **Published:** MAY 2020

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**ISSN:** 0278-0046

**eISSN:** 1557-9948

#### Record 75 of 126

**Title:** Readiness model for requirements change management in global software development

**Author(s):** Akbar, MA (Akbar, Muhammad Azeem); Mahmood, S (Mahmood, Sajjad); Huang, ZQ (Huang, Zhiqiu); Khan, AA (Khan, Arif Ali); Shameem, M (Shameem, Mohammad)

**Source:** JOURNAL OF SOFTWARE-EVOLUTION AND PROCESS **Volume:** 32 **Issue:** 10 **Article Number:** e2264 **DOI:** 10.1002/smr.2264 **Early Access Date:** APR 2020 **Published:** OCT 2020

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#### Record 76 of 126

**Title:** Multicriteria decision-making taxonomy for DevOps challenging factors using analytical hierarchy process

**Author(s):** Khan, AA (Khan, Arif Ali); Shameem, M (Shameem, Mohammad)

**Source:** JOURNAL OF SOFTWARE-EVOLUTION AND PROCESS **Volume:** 32 **Issue:** 10 **Article Number:** e2263 **DOI:** 10.1002/smr.2263 **Early Access Date:** APR 2020 **Published:** OCT 2020

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#### Record 77 of 126

**Title:** Structure tensor-based SIFT algorithm for SAR image registration

**Author(s):** Divya, SV (Divya, S., V); Paul, S (Paul, Sourabh); Pati, UC (Pati, Umesh Chandra)

**Source:** IET IMAGE PROCESSING **Volume:** 14 **Issue:** 5 **Pages:** 929-938 **DOI:** 10.1049/iet-ipr.2019.0568 **Published:** APR 17 2020

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**ISSN:** 1751-9659

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#### Record 78 of 126

**Title:** Neural network-based design and evaluation of performance metrics using adaptive line enhancer with adaptive algorithms for auscultation analysis

**Author(s):** Rajkumar, S (Rajkumar, S.); Sathesh, K (Sathesh, K.); Goyal, NK (Goyal, Neeraj Kumar)

**Source:** NEURAL COMPUTING & APPLICATIONS **Volume:** 32 **Issue:** 18 **Special Issue:** SI **Pages:** 15131-15153 **DOI:** 10.1007/s00521-020-04864-0 **Early Access**

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**Document Type:** Article

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**ISSN:** 0941-0643

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#### Record 79 of 126

**Title:** Enhanced Thermal Buffering of Phase Change Materials by the Intramicrocapsule Sub per Mille CNT Dopant

**Author(s):** Mikhaylov, AA (Mikhaylov, Alexey A.); Sladkevich, S (Sladkevich, Sergey); Medvedev, AG (Medvedev, Alexander G.); Prihodchenko, PV (Prihodchenko, Petr V.); Gun, J (Gun, Jenny); Sakharov, KA (Sakharov, Konstantin A.); Xu, ZCJ (Xu, Zhichuan J.); Kulish, V (Kulish, Vladimir); Nikolaev, VA (Nikolaev, Vitaly A.); Lev, O (Lev, Ovadia)

**Source:** ACS APPLIED MATERIALS & INTERFACES **Volume:** 12 **Issue:** 14 **Pages:** 16227-16235 **DOI:** 10.1021/acsami.9b21205 **Published:** APR 8 2020

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**Accession Number:** WOS:000526583500025

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Medvedev, Alexander	H-8470-2013	0000-0002-6762-004X

**ISSN:** 1944-8244

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#### Record 80 of 126

**Title:** On computing critical delay for fixed mode radius: Centralized and decentralized control

**Author(s):** Sahoo, PR (Sahoo, Pradosh Ranjan); Ghosh, S (Ghosh, Sandip)

**Source:** SYSTEMS & CONTROL LETTERS **Volume:** 138 **Article Number:** 104647 **DOI:** 10.1016/j.sysconle.2020.104647 **Published:** APR 2020

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#### Record 81 of 126

**Title:** Multilevel Automated Security System for Prevention of Accidents at Unmanned Railway Level Crossings

**Author(s):** Edla, DR (Edla, Damodar Reddy); Tripathi, D (Tripathi, Diwakar); Kuppili, V (Kuppili, Venkatanareshbabu); Dharavath, R (Dharavath, Ramesh)

**Source:** WIRELESS PERSONAL COMMUNICATIONS **Volume:** 111 **Issue:** 3 **Pages:** 1707-1721 **DOI:** 10.1007/s11277-019-06952-4 **Published:** APR 2020

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#### Record 82 of 126

**Title:** Source-Drain Junction Engineering Schottky Barrier MOSFETs and their Mixed Mode Application

**Author(s):** Kumar, P (Kumar, Prashanth); Bhowmick, B (Bhowmick, Brinda)

**Source:** SILICON **Volume:** 12 **Issue:** 4 **Pages:** 821-830 **DOI:** 10.1007/s12633-019-00170-0 **Published:** APR 2020

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#### Record 83 of 126

**Title:** Optical and spectroscopic properties of Ho<sup>3+</sup> -doped fluorophosphate glasses for visible lighting applications

**Author(s):** Prasad, TJ (Prasad, Jayachandra T.); Neelima, G (Neelima, G.); Ravi, N (Ravi, N.); Kiran, N (Kiran, N.); Nallabala, NKR (Nallabala, Nanda Kumar Reddy); Kummara, VK (Kummara, Venkata Krishnaiah); Suresh, K (Suresh, K.); Gadige, P (Gadige, Paramesh)

**Source:** MATERIALS RESEARCH BULLETIN **Volume:** 124 **Article Number:** 110753 **DOI:** 10.1016/j.materresbull.2019.110753 **Published:** APR 2020

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#### Record 84 of 126

**Title:** A novel optimum constructal fork-shaped fin array design for simultaneous heat and mass transfer application in a space-constrained situation

**Author(s):** Hazarika, SA (Hazarika, Saheera Azmi); Deshmukhya, T (Deshmukhya, Tuhin); Bhanja, D (Bhanja, Dipankar); Nath, S (Nath, Sujit)  
**Source:** INTERNATIONAL JOURNAL OF THERMAL SCIENCES **Volume:** 150 **Article Number:** 106225 **DOI:** 10.1016/j.ijthermalsci.2019.106225 **Published:** APR 2020

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#### Record 85 of 126

**Title:** A New Three-Phase Multipoint Clamped 5L-HPFC With Reduced PSD Count and Switch Stress

**Author(s):** Yalla, N (Yalla, Naveen); Babu, AN (Babu, Narendra A.); Agarwal, P (Agarwal, Pramod)

**Source:** IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS **Volume:** 67 **Issue:** 4 **Pages:** 2532-2543 **DOI:** 10.1109/TIE.2019.2910030 **Published:** APR 2020

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#### Record 86 of 126

**Title:** Reconfigurable graphene antenna for THz applications: a mode conversion approach

**Author(s):** Varshney, G (Varshney, Gaurav)

**Source:** NANOTECHNOLOGY **Volume:** 31 **Issue:** 13 **Article Number:** 135208 **DOI:** 10.1088/1361-6528/ab60cc **Published:** MAR 27 2020

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**Document Type:** Article

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#### Record 87 of 126

**Title:** Cache-Aware Query-Broadcast to Improve QoS of Routing Protocols in MANETs

**Author(s):** Ahmad, N (Ahmad, Naeem); Sethi, S (Sethi, Shuchi); Ahmed, M (Ahmed, Muqem)

**Source:** WIRELESS PERSONAL COMMUNICATIONS **Volume:** 113 **Issue:** 1 **Pages:** 481-498 **DOI:** 10.1007/s11277-020-07225-1 **Early Access Date:** MAR 2020

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Ahmed, Muqem	AAU-7007-2020	0000-0003-2957-5273

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#### Record 88 of 126

**Title:** Optimized evolutionary algorithm and supervised ACO mechanism to mitigate attacks and improve performance of adhoc network

**Author(s):** Priya, JS (Priya, J. Sathya); Saravanan, K (Saravanan, K.); Sathyabama, AR (Sathyabama, A. R.)

**Source:** COMPUTER COMMUNICATIONS **Volume:** 154 **Pages:** 551-558 **DOI:** 10.1016/j.comcom.2020.02.070 **Published:** MAR 15 2020

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#### Record 89 of 126

**Title:** Performance analysis of secondary users under heterogeneous licensed spectrum environment in cognitive radio ad hoc networks

**Author(s):** Jee, A (Jee, Anand); Hoque, S (Hoque, Shanidul); Arif, W (Arif, Wasim)

**Source:** ANNALS OF TELECOMMUNICATIONS **Volume:** 75 **Issue:** 7-8 **Special Issue:** SI **Pages:** 407-419 **DOI:** 10.1007/s12243-020-00761-8 **Early Access Date:** MAR 2020 **Published:** AUG 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000518304400001

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ISSN: 0003-4347

eISSN: 1958-9395

#### Record 90 of 126

**Title:** Achieving concurrency in cloud-orchestrated Internet of Things for resource sharing through multiple concurrent access

**Author(s):** Xu, XD (Xu, Xuedong); Sun, W (Sun, Wei); Vivekananda, GN (Vivekananda, G. N.); Shankar, A (Shankar, Achyut)

**Source:** COMPUTATIONAL INTELLIGENCE **DOI:** 10.1111/coin.12296 **Early Access Date:** MAR 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000517789400001

**Document Type:** Article; Early Access

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eISSN: 1467-8640

#### Record 91 of 126

**Title:** Structural time-series modelling for seasonal surface air temperature patterns in India 1951-2016

**Author(s):** Murthy, KVN (Murthy, K. V. Narasimha); Kumar, GK (Kishore Kumar, G.)

**Source:** METEOROLOGY AND ATMOSPHERIC PHYSICS **DOI:** 10.1007/s00703-020-00732-7 **Early Access Date:** MAR 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000517734800002

**Document Type:** Article; Early Access

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**ISSN:** 0177-7971

**eISSN:** 1436-5065

**Record 92 of 126**

**Title:** HSRDN: High-Speed Router Design for Various NoC Topologies

**Author(s):** Prasad, EL (Prasad, E. Lakshmi); Prasad, MNG (Prasad, M. N. Giri); Reddy, AR (Reddy, A. R.)

**Source:** CHINESE JOURNAL OF ELECTRONICS **Volume:** 29 **Issue:** 2 **Pages:** 281-290 **DOI:** 10.1049/cje.2020.01.005 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000536849800011

**Document Type:** Article

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**ISSN:** 1022-4653

**eISSN:** 2075-5597

**Record 93 of 126**

**Title:** Graphene research and their outputs: Status and prospect

**Author(s):** Tiwari, SK (Tiwari, Santosh K.); Sahoo, S (Sahoo, Sumanta); Wang, N (Wang, Nannan); Huczko, A (Huczko, Andrzej)

**Source:** JOURNAL OF SCIENCE-ADVANCED MATERIALS AND DEVICES **Volume:** 5 **Issue:** 1 **Pages:** 10-29 **DOI:** 10.1016/j.jsamd.2020.01.006 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 22

**Total Times Cited:** 22

**Accession Number:** WOS:000535792800002

**Document Type:** Review

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**ISSN:** 2468-2284

**eISSN:** 2468-2179

**Record 94 of 126**

**Title:** Nonlinear deformation and stress responses of a graded carbon nanotube sandwich plate structure under thermoelastic loading

**Author(s):** Mehar, K (Mehar, Kulmani); Panda, SK (Panda, Subrata Kumar)

**Source:** ACTA MECHANICA **Volume:** 231 **Issue:** 3 **Pages:** 1105-1123 **DOI:** 10.1007/s00707-019-02579-5 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 7

**Total Times Cited:** 7

**Accession Number:** WOS:000517113800015

**Document Type:** Article

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**ISSN:** 0001-5970

**eISSN:** 1619-6937

**Record 95 of 126**

**Title:** Performance Improvement and Analysis of PtSi Schottky Barrier p-MOSFET Based on Charge Plasma Concept for Low Power Applications

**Author(s):** Kale, S (Kale, S.)

**Source:** SILICON **Volume:** 12 **Issue:** 3 **Pages:** 479-485 **DOI:** 10.1007/s12633-019-00161-1 **Published:** MAR 2020

**Times Cited in Web of Science Core Collection:** 1

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**Accession Number:** WOS:000513251200002

**Document Type:** Article

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**ISSN:** 1876-990X

**eISSN:** 1876-9918

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**Record 96 of 126**

**Title:** Partial Observer Decision Process Model for Crane-Robot Action

**Author(s):** Khan, A (Khan, Asif); Li, JP (Li, Jian Ping); ul Haq, A (Haq, Amin ul); Nazir, S (Nazir, Shah); Ahmad, N (Ahmad, Naeem); Varish, N (Varish, Naushad); Malik, A (Malik, Asad); Patel, SH (Patel, Sarosh H.)

**Source:** SCIENTIFIC PROGRAMMING **Volume:** 2020 **Article Number:** 6349342 **DOI:** 10.1155/2020/6349342 **Published:** FEB 28 2020

**Times Cited in Web of Science Core Collection:** 1

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**Accession Number:** WOS:000522105000001

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Nazir, Shah	D-2020-2015	0000-0003-0126-9944

**ISSN:** 1058-9244

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**Record 97 of 126**

**Title:** Modeling and predicting the patterns of seasonal rainfall in Tamil Nadu, India 1951-2017: an UCM approach

**Author(s):** Viswanath, NMK (Viswanath, Narasimha Murthy Kaipa); Ramachandran, S (Ramachandran, Saravana); Reganti, HR (Reganti, Hemadri Reddy)

**Source:** ARABIAN JOURNAL OF GEOSCIENCES **Volume:** 13 **Issue:** 5 **Article Number:** 226 **DOI:** 10.1007/s12517-020-5216-0 **Published:** FEB 26 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000518010700004

**Document Type:** Article

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**ISSN:** 1866-7511

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**Record 98 of 126**

**Title:** Sustainability Assessment and Machinability Investigation of Austenitic Stainless Steel in Finish Turning with Advanced Ultra-Hard SiAlON Ceramic Tool under Different Cutting Environments

**Author(s):** Pradhan, S (Pradhan, Smita); Das, A (Das, Anshuman); Santoshwar, A (Santoshwar, Aniket); Dharmendrabhai, TR (Dharmendrabhai, Thakkar Raj); Das, SR (Das, Sudhansu Ranjan)

**Source:** SILICON **DOI:** 10.1007/s12633-020-00409-1 **Early Access Date:** FEB 2020

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**Accession Number:** WOS:000516249400001

**Document Type:** Article; Early Access

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eISSN: 1876-9918

**Record 99 of 126****Title:** Wideband circular cavity-backed slot antenna with conical radiation patterns**Author(s):** Kumar, A (Kumar, Arvind)**Source:** MICROWAVE AND OPTICAL TECHNOLOGY LETTERS **Volume:** 62 **Issue:** 6 **Pages:** 2390-2397 **DOI:** 10.1002/mop.32316 **Early Access Date:** FEB 2020**Published:** JUN 2020**Times Cited in Web of Science Core Collection:** 2**Total Times Cited:** 2**Accession Number:** WOS:000513250200001**Document Type:** Article**Addresses:** [Kumar, Arvind] Madanapalle Inst Technol & Sci, Dept Elect & Commun Engn, Madanapalle 517325, Andhra Pradesh, India.**Corresponding Address:** Kumar, A (corresponding author), Madanapalle Inst Technol & Sci, Dept Elect & Commun Engn, Madanapalle 517325, Andhra Pradesh, India.**E-mail Addresses:** arvindr.kitt@gmail.com**Author Identifiers:**

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eISSN: 1098-2760

**Record 100 of 126****Title:** Prediction of the Propagation of Fatigue Cracks in Part-Through Cracked Pipes with CASCA and FRANC2D**Author(s):** Kumar, P (Kumar, Pawan); Makhatha, ME (Makhatha, Mamookho Elizabeth); Sengupta, S (Sengupta, Srijan); Dutt, AK (Dutt, Aniket Kumar)**Source:** TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS **Volume:** 73 **Issue:** 6 **Special Issue:** SI **Pages:** 1417-1420 **DOI:** 10.1007/s12666-020-01886-z **Early Access Date:** FEB 2020 **Published:** JUN 2020**Times Cited in Web of Science Core Collection:** 0**Total Times Cited:** 0**Accession Number:** WOS:000516120800002**Document Type:** Article**Addresses:** [Kumar, Pawan; Makhatha, Mamookho Elizabeth] Univ Johannesburg, Fac Engn & Built Environm, Dept Engn Met, DFC, John Orr Bldg, 25 Louisa St, ZA-2028 Johannesburg, South Africa.

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**Record 101 of 126**

**Title:** Analysis of Double Gaussian Distribution at the Interface of Ni/Ta2O5/P-Si Schottky Barrier Diodes Using Temperature Dependent Current-Voltage (I-V) Measurements

**Author(s):** Reddy, NNK (Reddy, Nallabala Nanda Kumar); Kukkambakam, C (Kukkambakam, Chandramohan); Manjunath, V (Manjunath, V.); Reddy, VRM (Reddy, Vasudeva Reddy Minnam)

**Source:** SILICON **DOI:** 10.1007/s12633-020-00407-3 **Early Access Date:** FEB 2020

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**Document Type:** Article; Early Access

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**Record 102 of 126**

**Title:** Numerical investigation of thermal frequency responses of graded hybrid smart nanocomposite (CNT-SMA-Epoxy) structure

**Author(s):** Mehar, K (Mehar, K.); Mishra, PK (Mishra, P. K.); Panda, SK (Panda, S. K.)

**Source:** MECHANICS OF ADVANCED MATERIALS AND STRUCTURES **DOI:** 10.1080/15376494.2020.1725193 **Early Access Date:** FEB 2020

**Times Cited in Web of Science Core Collection:** 14

**Total Times Cited:** 14

**Accession Number:** WOS:000513437900001

**Document Type:** Article; Early Access

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**ISSN:** 1537-6494

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**Record 103 of 126**

**Title:** Experimental Investigation and Numerical Modeling of Room Temperature Control in Buildings by the Implementation of Phase Change Material in the Roof

**Author(s):** Beemkumar, N (Beemkumar, N.); Yuvarajan, D (Yuvarajan, D.); Arulprakasajothi, M (Arulprakasajothi, M.); Ganesan, S (Ganesan, S.); Elangovan, K (Elangovan, K.); Senthilkumar, G (Senthilkumar, G.)

**Source:** JOURNAL OF SOLAR ENERGY ENGINEERING-TRANSACTIONS OF THE ASME **Volume:** 142 **Issue:** 1 **Article Number:** 011011 **DOI:** 10.1115/1.4044564 **Published:** FEB 2020

**Times Cited in Web of Science Core Collection:** 2

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**Accession Number:** WOS:000525365800011

**Document Type:** Article

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**Record 104 of 126****Title:** Effects of Annealing Temperature on Phase Transformation of CoTiO<sub>3</sub> Nanoparticles and on their Structural, Optical, and Magnetic Properties**Author(s):** Sekhar, MC (Sekhar, M. Chandra); Reddy, BP (Reddy, B. Purusottam); Prakash, BP (Prakash, B. Poorna); Park, SH (Park, Si-Hyun)**Source:** JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM **Volume:** 33 **Issue:** 2 **Pages:** 407-415 **DOI:** 10.1007/s10948-019-05199-1 **Published:** FEB 2020**Times Cited in Web of Science Core Collection:** 0**Total Times Cited:** 0**Accession Number:** WOS:000511585200014**Document Type:** Article**Addresses:** [Sekhar, M. Chandra] Madanapalle Inst Technol & Sci, Dept Phys, Madanapalle 517325, India.

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**ISSN:** 0895-2477**eISSN:** 1098-2760**Record 107 of 126****Title:** A survey on smart grid technologies and applications**Author(s):** Dileep, G (Dileep, G.)**Source:** RENEWABLE ENERGY **Volume:** 146 **Pages:** 2589-2625 **DOI:** 10.1016/j.renene.2019.08.092 **Published:** FEB 2020**Times Cited in Web of Science Core Collection:** 23**Total Times Cited:** 23**Accession Number:** WOS:000499762300096**Document Type:** Article**Addresses:** [Dileep, G.] Madanapalle Inst Technol & Sci, Dept Elect & Elect Engr, Madanapalle 517325, Andhra Pradesh, India.**Corresponding Address:** Dileep, G (corresponding author), Madanapalle Inst Technol & Sci, Dept Elect & Elect Engr, Madanapalle 517325, Andhra Pradesh, India.**E-mail Addresses:** dileepmon2@gmail.com**ISSN:** 0960-1481**Record 108 of 126****Title:** Statistical experimental design to optimize RF-sputtered NiTiO<sub>3</sub> thin films



**Author(s):** Bellam, JB (Bellam, Jagadeesh Babu); Jouanneaux, A (Jouanneaux, Alain); Subramaniam, V (Subramaniam, Velumani); Kassiba, AH (Kassiba, Abdel Hadi)

**Source:** JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS **Volume:** 31 **Issue:** 10 **Special Issue:** SI **Pages:** 7434-7444 **DOI:** 10.1007/s10854-020-02940-8 **Early Access Date:** JAN 2020 **Published:** MAY 2020

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**Accession Number:** WOS:000510121500008

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**eISSN:** 1573-482X

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#### Record 109 of 126

**Title:** Beeware Routing Scheme for Detecting Network Layer Attacks in Wireless Sensor Networks

**Author(s):** Raghav, RS (Raghav, R. S.); Thirugnansambandam, K (Thirugnansambandam, Kalai priyan); Anguraj, DK (Anguraj, Dinesh Kumar)

**Source:** WIRELESS PERSONAL COMMUNICATIONS **Volume:** 112 **Issue:** 4 **Pages:** 2439-2459 **DOI:** 10.1007/s11277-020-07158-9 **Early Access Date:** JAN 2020

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**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000515652200001

**Document Type:** Article

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**ISSN:** 0929-6212

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#### Record 110 of 126

**Title:** In pursuit of catalytic cathodes for lithium-oxygen batteries (vol 5, pg 7710, 2017)

**Author(s):** Eftekhari, A (Eftekhari, Ali); Ramanujam, B (Ramanujam, Balaji)

**Source:** JOURNAL OF MATERIALS CHEMISTRY A **Volume:** 8 **Issue:** 3 **Pages:** 1481-1481 **DOI:** 10.1039/c9ta90301a **Published:** JAN 21 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000508855700058

**Document Type:** Correction

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**ISSN:** 2050-7488

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#### Record 111 of 126

**Title:** Transformation of g-C<sub>3</sub>N<sub>4</sub> into onion like carbon on nickel nanoparticles for ultrafast hydrogenation

**Author(s):** Kesarla, MK (Kumar Kesarla, Mohan); Reddy, NNK (Kumar Reddy, Nallabala Nanda); Ortiz-Chi, F (Ortiz-Chi, Filiberto); Espinosa-Gonzalez, CG (Guadalupe Espinosa-Gonzalez, Claudia); Torres, JGT (Torres Torres, Jose Gilberto); Hernandez-Como, N (Hernandez-Como, Norberto); Godavarthi, S (Godavarthi, Srinivas); Martinez-Gomez, L (Martinez-Gomez, Lorenzo)

**Source:** MATERIALS CHEMISTRY AND PHYSICS **Volume:** 240 **Article Number:** 122157 **DOI:** 10.1016/j.matchemphys.2019.122157 **Published:** JAN 15 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000505100900056

**Document Type:** Article

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Godavarthi, Srinivas		0000-0002-8134-2058

ISSN: 0254-0584

eISSN: 1879-3312

#### Record 112 of 126

**Title:** Temperature-dependent electrical resistivity and magnetoresistance characteristics of Zn<sub>1-x</sub>V<sub>x</sub>O thin films above Mott critical density

**Author(s):** Saha, D (Saha, Debabrata)

**Source:** MODERN PHYSICS LETTERS B **Volume:** 34 **Issue:** 1 **Article Number:** 2050011 **DOI:** 10.1142/S0217984920500116 **Published:** JAN 10 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000507327000009

**Document Type:** Article

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ISSN: 0217-9849

eISSN: 1793-6640

#### Record 113 of 126

**Title:** Super-wideband multi-input-multi-output dielectric resonator antenna

**Author(s):** Gotra, S (Gotra, Shailza); Varshney, G (Varshney, Gaurav); Pandey, VS (Pandey, Vinay Shankar); Yaduvanshi, RS (Yaduvanshi, Rajveer Singh)

**Source:** IET MICROWAVES ANTENNAS & PROPAGATION **Volume:** 14 **Issue:** 1 **Pages:** 21-27 **DOI:** 10.1049/iet-map.2018.6112 **Published:** JAN 8 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000506401400004

**Document Type:** Article

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ISSN: 1751-8725

eISSN: 1751-8733

#### Record 114 of 126

**Title:** Control of room temperature fluctuations in the building by incorporating PCM in the roof

**Author(s):** Beemkumar, N (Beemkumar, Nagappan); Yuvarajan, D (Yuvarajan, Devarajan); Arulprakasajothi, M (Arulprakasajothi, Mahalingam); Elangovan, K (Elangovan, Kariappan); Arunkumar, T (Arunkumar, Thirugnanasambandam)

**Source:** JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY **DOI:** 10.1007/s10973-019-09226-0 **Early Access Date:** JAN 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000574132700003

**Document Type:** Article; Early Access

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ISSN: 1388-6150

eISSN: 1588-2926

#### Record 115 of 126

**Title:** Effect of tool shoulder geometry on fabrication of Al/Al<sub>2</sub>O<sub>3</sub> surface nano composite by friction stir processing

**Author(s):** Parumandla, N (Parumandla, Naresh); Adepur, K (Adepur, Kumar)

**Source:** PARTICULATE SCIENCE AND TECHNOLOGY **Volume:** 38 **Issue:** 1 **Pages:** 121-130 **DOI:** 10.1080/02726351.2018.1490361 **Published:** JAN 2 2020

**Times Cited in Web of Science Core Collection:** 2

**Total Times Cited:** 2

**Accession Number:** WOS:000508075100015

**Document Type:** Article

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eISSN: 1548-0046

#### Record 116 of 126

**Title:** Dielectric Modulated Schottky Barrier TFET for the Application as Label-Free Biosensor

**Author(s):** Latha, NKH (Latha, N. K. Hema); Kale, S (Kale, Sumit)

**Source:** SILICON **Volume:** 12 **Issue:** 11 **Pages:** 2673-2679 **DOI:** 10.1007/s12633-019-00363-7 **Early Access Date:** JAN 2020 **Published:** NOV 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000505347400004

**Document Type:** Article

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ISSN: 1876-990X

eISSN: 1876-9918

#### Record 117 of 126

**Title:** NUMERICAL SIMULATION AND ENERGY FLUX VECTOR VISUALIZATION OF RADIATIVE-CONVECTION HEAT TRANSFER IN A POROUS TRIANGULAR ENCLOSURE

**Author(s):** Venkatadri, K (Venkatadri, K.); Beg, OA (Beg, O. Anwar); Rajarajeswari, P (Rajarajeswari, P.); Prasad, VR (Prasad, V. Ramachandra); Subbarao, A (Subbarao, A.); Khan, BMH (Khan, B. Md Hidayathulla)

**Source:** JOURNAL OF POROUS MEDIA **Volume:** 23 **Issue:** 12 **Pages:** 1187-1199 **DOI:** 10.1615/JPorMedia.2020033653 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000591765600004

**Document Type:** Article

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eISSN: 1934-0508

#### Record 118 of 126

**Title:** Prediction of COVID-19 Using Genetic Deep Learning Convolutional Neural Network (GDCNN)

**Author(s):** Babukarthik, RG (Babukarthik, R. G.); Adiga, VAK (Adiga, V. Ananth Krishna); Sambasivam, G (Sambasivam, G.); Chandramohan, D (Chandramohan, D.); Amudhavel, J (Amudhavel, J.)

**Source:** IEEE ACCESS **Volume:** 8 **Pages:** 177647-177666 **DOI:** 10.1109/ACCESS.2020.3025164 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 0

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**Accession Number:** WOS:000577888100001

**Document Type:** Article

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ISSN: 2169-3536

#### Record 119 of 126

**Title:** Predicting Emerging Trends on Social Media by Modeling it as Temporal Bipartite Networks

**Author(s):** Khan, A (Khan, Asif); Li, JP (Li, Jian Ping); Ahmad, N (Ahmad, Naeem); Sethi, S (Sethi, Shuchi); Ul Haq, A (Ul Haq, Amin); Patel, SH (Patel, Sarosh H.); Rahim, S (Rahim, Sabit)

**Source:** IEEE ACCESS **Volume:** 8 **Pages:** 39635-39646 **DOI:** 10.1109/ACCESS.2020.2976134 **Published:** 2020

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**Accession Number:** WOS:000525545900175

**Document Type:** Article

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ISSN: 2169-3536

#### Record 120 of 126

**Title:** Innovative Localization Algorithm Using the Line of Intersection Technique in Wireless Sensor Networks

**Author(s):** Mythili, T (Mythili, T.); Ramesh, J (Ramesh, J.); Ramanathan, P (Ramanathan, P.)

**Source:** JOURNAL OF INTERNET TECHNOLOGY **Volume:** 21 **Issue:** 2 **Pages:** 425-433 **DOI:** 10.3966/160792642020032102011 **Published:** 2020

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**Document Type:** Article

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eISSN: 2079-4029

#### Record 121 of 126

**Title:** Int-soft ideals over the soft sets in ordered semigroups

**Author(s):** Muhiuddin, G (Muhiuddin, G.); Mahboob, A (Mahboob, Ahsan)

**Source:** AIMS MATHEMATICS **Volume:** 5 **Issue:** 3 **Pages:** 2412-2423 **DOI:** 10.3934/math.2020159 **Published:** 2020

**Times Cited in Web of Science Core Collection:** 1

**Total Times Cited:** 1

**Accession Number:** WOS:000520850800049

**Document Type:** Article

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#### Record 122 of 126

**Title:** Adaptive hybrid intelligent MPPPT controller to approximate wind speed and optimal rotor speed of variable speed wind turbine

**Author(s):** Sitharthan, R (Sitharthan, R.); Karthikeyan, M (Karthikeyan, Madurakavi); Sundar, DS (Shanmuga Sundar, D.); Rajasekaran, S (Rajasekaran, S.)

**Source:** ISA TRANSACTIONS **Volume:** 96 **Pages:** 479-489 **DOI:** 10.1016/j.isatra.2019.05.029 **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 3

**Total Times Cited:** 3

**Accession Number:** WOS:000514747900039

**PubMed ID:** 31202532

**Document Type:** Article

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**ISSN:** 0019-0578

**eISSN:** 1879-2022

**Record 123 of 126**

**Title:** An Automatic and a Machine-assisted Method to Clean Bilingual Corpus

**Author(s):** Srivastava, J (Srivastava, Jyoti); Sanyal, S (Sanyal, Sudip); Srivastava, AK (Srivastava, Ashish Kumar)

**Source:** ACM TRANSACTIONS ON ASIAN AND LOW-RESOURCE LANGUAGE INFORMATION PROCESSING **Volume:** 19 **Issue:** 1 **Article Number:** 13 **DOI:** 10.1145/3342351 **Published:** JAN 2020

**Times Cited in Web of Science Core Collection:** 0

**Total Times Cited:** 0

**Accession Number:** WOS:000512296500013

**Document Type:** Article

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**ISSN:** 2375-4699

**eISSN:** 2375-4702

**Record 124 of 126**

**Title:** A comprehensive survey on trajectory schemes for data collection using mobile elements in WSNs

**Author(s):** Singh, SK (Singh, Sunil Kumar); Kumar, P (Kumar, Prabhat)

**Source:** JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING **Volume:** 11 **Issue:** 1 **Special Issue:** SI **Pages:** 291-312 **DOI:** 10.1007/s12652-019-01268-4 **Published:** JAN 2020

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**Document Type:** Article

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