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| 133.  | **Title:** Artificial Intelligence Monitoring of Hardening Methods and Cutting Conditions and Their Effects on Surface Roughness, Performance, and Finish Turning Costs of Solid-State Recycled Aluminum Alloy 6061 Chips**By:** Abbas, Adel Taha; Pimenov, Danil Yurievich; Erdakov, Ivan Nikolaevich; et al.**Source:** METALS   **Volume:** 8  **Issue:** 6    **Article Number:** 394  **Published:** JUN 2018   |
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| 145.  | **Title:** MHD natural convection and entropy generation in an open cavity having different horizontal porous blocks saturated with a ferrofluid**By:** Gibanov, Nikita S.; Sheremet, Mikhail A.; Oztop, Hakan F.; et al.**Source:** JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS   **Volume:** 452  **Pages:** 193-204  **Published:** APR 15 2018   |
| 146.  | **Title:** Thermodynamic and economic analysis of the performance of a direct evaporative cooler working under extreme summer weather conditions**By:** Baakeem, Saleh S.; Orfi, Jamel; Bessadok-Jemai, Abdelbasset**Source:** JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY   **Volume:** 32  **Issue:** 4  **Pages:** 1815-1825  **Published:** APR 2018   |
| 147.  | **Title:** Effect of the patch length on the effectiveness of one-sided bonded composite repair for aluminum panels**By:** Albedah, Abdulmohsen; Mohammed, Sohail M. A. Khan; Bouiadjra, Bachir Bachir; et al.**Source:** INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES   **Volume:** 81  **Pages:** 83-89  **Published:** MAR 2018   |
| 148.  | **Title:** Chemical and structural analyses of the graphene nanosheet/alumina ceramic interfacial region in rapidly consolidated ceramic nanocomposites**By:** Ahmad, Iftikhar; Islam, Mohammad; Alharthi, Nabeel H.; et al.**Source:** JOURNAL OF COMPOSITE MATERIALS   **Volume:** 52  **Issue:** 3  **Pages:** 417-428  **Published:** FEB 2018   |
| 149.  | **Title:** On-Sun Experiments on a Particle Heating Receiver with Red Sand as the Working Medium**By:** Al-Ansary, Hany; El-Leathy, Abdelrahman; Jeter, Sheldon; et al.**Edited by:** Mancilla, R; Richter, C **Conference:** 23rd International Conference on Concentrating Solar Power and Chemical Energy Systems (SolarPACES) **Location:** Santiago, CHILE **Date:** SEP 26-29, 2017 **Source:** INTERNATIONAL CONFERENCE ON CONCENTRATING SOLAR POWER AND CHEMICAL ENERGY SYSTEMS (SOLARPACES 2017)   **Book Series:** AIP Conference Proceedings  **Volume:** 2033    **Article Number:** 040002-1  **Published:** 2018   |
| 150.  | **Title:** Preliminary Tests of an Integrated Gas Turbine-Solar Particle Heating and Energy Storage System**By:** El-Leathy, Abdelrahman; Al-Ansary, Hany; Jeter, Sheldon; et al.**Edited by:** Mancilla, R; Richter, C **Conference:** 23rd International Conference on Concentrating Solar Power and Chemical Energy Systems (SolarPACES) **Location:** Santiago, CHILE **Date:** SEP 26-29, 2017 **Source:** INTERNATIONAL CONFERENCE ON CONCENTRATING SOLAR POWER AND CHEMICAL ENERGY SYSTEMS (SOLARPACES 2017)   **Book Series:** AIP Conference Proceedings  **Volume:** 2033    **Article Number:** 040013-1  **Published:** 2018   |
| 151.  | **Title:** Numerical study of non-premixed air-methane swirl combustor flows using RANS method**By:** Sudarma, A. F.; Morsy, M. H.**Edited by:** Adriansyah, A **Conference:** International Conference on Design, Engineering and Computer Sciences (ICDECS) **Location:** Univ Mercu Buana Jakarta, Fac Engn, Jakarta, INDONESIA **Date:** AUG09, 2018 **Sponsor(s):** Univ Mercu Buana Jakarta, Fac Comp Sci; Univ Mercu Buana Jakarta, Fac Art & Design**Source:** INTERNATIONAL CONFERENCE ON DESIGN, ENGINEERING AND COMPUTER SCIENCES   **Book Series:** IOP Conference Series-Materials Science and Engineering  **Volume:** 453    **Article Number:** UNSP 012058  **Published:** 2018   |
| 152.  | **Title:** The Effect Compatibilizer on Mechanical Properties of Short Carbon Fiber Reinforced Polypropylene Composites**By:** Junaedi, Harri; Albahkali, Essam; Baig, Muneer; et al.**Edited by:** DAmore, A; Acierno, D; Grassia, L **Conference:** 9th International Conference on Times of Polymers (TOP) and Composites - From Aerospace to Nanotechnology **Location:** Ischia, ITALY **Date:** JUN 17-21, 2018 **Sponsor(s):** Joint Initiat Univ Campania Luigi Vanvitelli; Univ Naples Federico II**Source:** 9TH INTERNATIONAL CONFERENCE ON TIMES OF POLYMERS AND COMPOSITES: FROM AEROSPACE TO NANOTECHNOLOGY   **Book Series:** AIP Conference Proceedings  **Volume:** 1981    **Article Number:** UNSP 020028  **Published:** 2018   |
| 153.  | **Title:** FIVE AXIS SWEPT PROFILES OF TORUS LIKE CUTTERS VIA SEPARATION OF INNER AND OUTER CHARACTERISTIC CURVES**By:** Aras, Eyyup**Conference:** ASME International Design Engineering Technical Conferences (IDETC) / Computers and Information in Engineering Conference (CIE) **Location:** Quebec City, CANADA **Date:** AUG 26-29, 2018 **Sponsor(s):** ASME, Design Engn Div; ASME, Comp & Informat Engn Div**Source:** PROCEEDINGS OF THE ASME INTERNATIONAL DESIGN ENGINEERING TECHNICAL CONFERENCES AND COMPUTERS AND INFORMATION IN ENGINEERING CONFERENCE, 2018, VOL 1A     **Article Number:** V01AT02A022  **Published:** 2018   |
| 154.  | **Title:** EFFECT OF DENTAL IMPLANTOLOGY ON THE BIOMECHANICAL BEHAVIOR OF ALVEOLAR BONE**By:** Drai, Abdelkader; Merdji, Ali; Albedah, Abdulmohsen; et al.**Source:** INTERNATIONAL JOURNAL FOR MULTISCALE COMPUTATIONAL ENGINEERING   **Volume:** 16  **Issue:** 6  **Pages:** 579-593  **Published:** 2018   |
| 155.  | **Title:** Tribological characteristics comparison of formulated palm trimethylolpropane ester and polyalphaolefin for cam/tappet interface of direct acting valve train system**By:** Zahid, Rehan; Hassan, Masjuki Hj; Alabdulkarem, Abdullah; et al.**Source:** INDUSTRIAL LUBRICATION AND TRIBOLOGY   **Volume:** 70  **Issue:** 5  **Pages:** 888-901  **Published:** 2018   |
| 156.  | **Title:** Fluid structure interaction simulation of large deformation and added-mass effect using OpenFOAM**By:** Zakaria, Mohamad Shukri; Abdullah, Haslina; Ahmad, Kamarul Arifin**Edited by:** BinAbdollah, MF **Conference:** 5th Mechanical Engineering Research Day (MERD) **Location:** Univ Teknikal Malaysia, Melaka, MALAYSIA **Date:** MAY 03, 2018 **Sponsor(s):** Univ Teknikal Malaysia, Fac Mech Engn; Univ Teknikal Malaysia, Ctr Adv Res Energy**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2018 (MERD)   **Pages:** 79-80  **Published:** 2018   |
| 157.  | **Title:** Taguchi Robust Design for Optimizing Surface Roughness of Turned AISI 1045 Steel Considering the Tool Nose Radius and Coolant as Noise Factors**By:** Abbas, Adel T.; Ragab, Adham E.; Benyahia, Faycal; et al.**Source:** ADVANCES IN MATERIALS SCIENCE AND ENGINEERING   **Volume:** 2018    **Article Number:** 2560253  **Published:** 2018   |
| 158.  | **Title:** The Effect of Square Tube Location in a Vertical Array of Square Tubes on Natural Convection Heat Transfer**By:** Ali, Mohamed; Nuhait, Abdullah; Almuzaiqer, Redhwan**Source:** HEAT TRANSFER ENGINEERING   **Volume:** 39  **Issue:** 12  **Pages:** 1036-1051  **Published:** 2018   |
| 159.  | **Title:** Prediction of Cutting Conditions in Turning AZ61 and Parameters Optimization Using Regression Analysis and Artificial Neural Network**By:** Alharthi, Nabeel H.; Bingol, Sedat; Abbas, Adel T.; et al.**Source:** ADVANCES IN MATERIALS SCIENCE AND ENGINEERING   **Volume:** 2018    **Article Number:** 1825291  **Published:** 2018   |
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| 163.  | **Title:** RANS NUMERICAL SIMULATION OF LEAN PREMIXED BLUFF BODY STABILIZED COMBUSTOR: COMPARISON OF TURBULENCE MODELS**By:** Sudarma, A. F.; Al-Witry, A.; Morsy, M. H.**Source:** JOURNAL OF THERMAL ENGINEERING   **Volume:** 3  **Issue:** 6  **Special Issue:** 6  **Pages:** 1561-1573  **Published:** DEC 2017   |
| 164.  | **Title:** Effect of Moisture Hysteresis on the Resilient Modulus of Lime-Treated Expansive Clay**By:** Elkady, Tamer Y.; Al-Mahbashi, Ahmed M.; Al-Shamrani, Mosleh A.**Source:** JOURNAL OF TESTING AND EVALUATION   **Volume:** 45  **Issue:** 6  **Pages:** 2039-2049  **Published:** NOV 2017   |
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