

# Rana A Shakoor

## List of Publications by Citations

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213  
papers

4,010  
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ext. papers

5,065  
ext. citations

3.9  
avg, IF

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L-index

#	Paper	IF	Citations
213	Electrochemical and Thermal Properties of NASICON Structured Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as a Sodium Rechargeable Battery Cathode: A Combined Experimental and Theoretical Study. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, A1393-A1397	3.9	275
212	A combined first principles and experimental study on Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> for rechargeable Na batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 20535		253
211	Na <sub>2</sub> FeP <sub>2</sub> O <sub>7</sub> as a Promising Iron-Based Pyrophosphate Cathode for Sodium Rechargeable Batteries: A Combined Experimental and Theoretical Study. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1147-1155	15.6	250
210	Hierarchical porous carbon by ultrasonic spray pyrolysis yields stable cycling in lithium-sulfur battery. <i>Nano Letters</i> , <b>2014</b> , 14, 4418-25	11.5	214
209	Anomalous manganese activation of a pyrophosphate cathode in sodium ion batteries: a combined experimental and theoretical study. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2787-92	16.4	131
208	Enhanced performance of nano-sized SiC reinforced Al metal matrix nanocomposites synthesized through microwave sintering and hot extrusion techniques. <i>Progress in Natural Science: Materials International</i> , <b>2017</b> , 27, 606-614	3.6	110
207	Effect of reinforcement concentration on the properties of hot extruded Al-Al <sub>2</sub> O <sub>3</sub> composites synthesized through microwave sintering process. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2017</b> , 696, 60-69	5.3	94
206	Organic Thin-Film Capacitive and Resistive Humidity Sensors: A Focus Review. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800969	4.6	73
205	Synthesis and properties of electrodeposited NiBiTeO <sub>2</sub> composite coatings. <i>Materials &amp; Design</i> , <b>2014</b> , 59, 421-429		69
204	Advances in osteobiologic materials for bone substitutes. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2018</b> , 12, 1448-1468	4.4	67
203	Silicon@porous nitrogen-doped carbon spheres through a bottom-up approach are highly robust lithium-ion battery anodes. <i>RSC Advances</i> , <b>2012</b> , 2, 4311	3.7	67
202	Instability in CHNHPbI perovskite solar cells due to elemental migration and chemical composition changes. <i>Scientific Reports</i> , <b>2017</b> , 7, 15406	4.9	65
201	Properties of electrodeposited NiBiAl <sub>2</sub> O <sub>3</sub> composite coatings. <i>Materials &amp; Design</i> , <b>2014</b> , 64, 127-135		59
200	Phyto-Toxicity of Chromium in Maize: Oxidative Damage, Osmolyte Accumulation, Anti-Oxidative Defense and Chromium Uptake. <i>Pedosphere</i> , <b>2017</b> , 27, 262-273	5	51
199	PLA-TiO <sub>2</sub> nanocomposites: Thermal, morphological, structural, and humidity sensing properties. <i>Ceramics International</i> , <b>2018</b> , 44, 16507-16513	5.1	51
198	Epoxy coatings modified with a new cerium phosphate inhibitor for smart corrosion protection of steel. <i>Corrosion Science</i> , <b>2019</b> , 159, 108128	6.8	49
197	Microstructure and properties of sol-enhanced Ni-Co-TiO <sub>2</sub> nano-composite coatings on mild steel. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 649, 222-228	5.7	47

196	Slaking behavior of clay-bearing rocks during a one-year exposure to natural climatic conditions. <i>Engineering Geology</i> , <b>2013</b> , 166, 17-25	6	47
195	Transition metal doped ceria for solar thermochemical fuel production. <i>Solar Energy</i> , <b>2018</b> , 172, 204-211	6.8	44
194	Na <sub>4</sub> MnV(PO <sub>4</sub> ) <sub>3</sub> -rGO as Advanced cathode for aqueous and non-aqueous sodium ion batteries. <i>Journal of Power Sources</i> , <b>2019</b> , 429, 149-155	8.9	43
193	Improved properties of AlSi <sub>3</sub> N <sub>4</sub> nanocomposites fabricated through a microwave sintering and hot extrusion process. <i>RSC Advances</i> , <b>2017</b> , 7, 34401-34410	3.7	43
192	Duplex Ni <sub>3</sub> CrO <sub>2</sub> /Ni <sub>3</sub> P electroless coating on stainless steel. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 630, 189-194	5.7	43
191	Properties enhancement of Ni-P electrodeposited coatings by the incorporation of nanoscale Y <sub>2</sub> O <sub>3</sub> particles. <i>Applied Surface Science</i> , <b>2018</b> , 457, 956-967	6.7	42
190	Extreme fast charging characteristics of zirconia modified LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> cathode for lithium ion batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 396, 774-781	8.9	42
189	Enhancing compressive, tensile, thermal and damping response of pure Al using BN nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 762, 398-408	5.7	42
188	Enhancing thermal and mechanical response of aluminum using nanolength scale TiC ceramic reinforcement. <i>Ceramics International</i> , <b>2018</b> , 44, 9247-9254	5.1	41
187	Sodium intercalation/de-intercalation mechanism in Na <sub>4</sub> MnV(PO <sub>4</sub> ) <sub>3</sub> cathode materials. <i>Electrochimica Acta</i> , <b>2018</b> , 292, 98-106	6.7	40
186	Structural, mechanical and thermal characteristics of Al-Cu-Li particle reinforced Al-matrix composites synthesized by microwave sintering and hot extrusion. <i>Composites Part B: Engineering</i> , <b>2019</b> , 164, 485-492	10	39
185	Multifunctional self-healing polymeric nanocomposite coatings for corrosion inhibition of steel. <i>Surface and Coatings Technology</i> , <b>2019</b> , 372, 121-133	4.4	39
184	Poreless Separator and Electrolyte Additive for Lithium Sulfur Batteries with High Areal Energy Densities. <i>ChemNanoMat</i> , <b>2015</b> , 1, 240-245	3.5	39
183	A mixed iron-manganese based pyrophosphate cathode, Na <sub>2</sub> Fe <sub>0.5</sub> Mn <sub>0.5</sub> P <sub>2</sub> O <sub>7</sub> , for rechargeable sodium ion batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 3929-35	3.6	33
182	Hybrid Halloysite Nanotubes as Smart Carriers for Corrosion Protection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 37571-37584	9.5	33
181	Self-Healing Performance of Multifunctional Polymeric Smart Coatings. <i>Polymers</i> , <b>2019</b> , 11,	4.5	31
180	Effect of water content and density on strength and deformation behavior of clay soils. <i>Engineering Geology</i> , <b>2018</b> , 244, 125-131	6	30
179	Using B <sub>2</sub> O <sub>3</sub> Nanoparticles to Enhance Thermal and Mechanical Response of Aluminum. <i>Materials</i> , <b>2017</b> , 10,	3.5	29

178	Site-specific transition metal occupation in multicomponent pyrophosphate for improved electrochemical and thermal properties in lithium battery cathodes: a combined experimental and theoretical study. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 11740-8	16.4	29
177	Understanding the Origin of the Ultrahigh Rate Performance of a SiO <sub>2</sub> -Modified LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> Cathode for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 7263-7271	6.1	28
176	Mechanochemical synthesis and electrochemical behavior of Na <sub>3</sub> FeF <sub>6</sub> in sodium and lithium batteries. <i>Solid State Ionics</i> , <b>2012</b> , 218, 35-40	3.3	27
175	A novel classification of prostate specific antigen (PSA) biosensors based on transducing elements. <i>Talanta</i> , <b>2017</b> , 168, 52-61	6.2	26
174	Microwave Rapid Sintering of Al-Metal Matrix Composites: A Review on the Effect of Reinforcements, Microstructure and Mechanical Properties. <i>Metals</i> , <b>2016</b> , 6, 143	2.3	26
173	Improvement of humidity sensing properties of PVDF-TiO <sub>2</sub> nanocomposite films using acetone etching. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 288, 408-413	8.5	25
172	Synthesis and properties of polyelectrolyte multilayered microcapsules reinforced smart coatings. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 12079-12094	4.3	24
171	Electrochemical and thermodynamic study on the corrosion performance of API X120 steel in 3.5% NaCl solution. <i>Scientific Reports</i> , <b>2020</b> , 10, 4314	4.9	24
170	Evaluating selected factors affecting the depth of undercutting in rocks subject to differential weathering. <i>Engineering Geology</i> , <b>2012</b> , 124, 1-11	6	24
169	Biochemically Triggered Heat and Drought Stress Tolerance in Rice by Proline Application. <i>Journal of Plant Growth Regulation</i> , <b>2021</b> , 40, 305-312	4.7	24
168	Synthesis and characterisation of NiB/Ni <sub>3</sub> CeO <sub>2</sub> duplex composite coatings. <i>Journal of Applied Electrochemistry</i> , <b>2018</b> , 48, 391-404	2.6	23
167	Effect of sintering temperature on the structural and magnetic properties of MgFe <sub>2</sub> O <sub>4</sub> ceramics prepared by spark plasma sintering. <i>Ceramics International</i> , <b>2016</b> , 42, 4221-4227	5.1	23
166	Comparing discontinuity orientation data collected by terrestrial LiDAR and transit compass methods. <i>Engineering Geology</i> , <b>2014</b> , 181, 78-92	6	23
165	A comparative study of structural and mechanical properties of Al <sub>2</sub> O <sub>3</sub> composites prepared by vacuum and microwave sintering techniques. <i>Journal of Materials Research and Technology</i> , <b>2018</b> , 7, 165-172	5.5	23
164	Development and Properties of Polymeric Nanocomposite Coatings. <i>Polymers</i> , <b>2019</b> , 11,	4.5	22
163	Effect of BaTiO <sub>3</sub> on the sensing properties of PVDF composite-based capacitive humidity sensors. <i>Ceramics International</i> , <b>2020</b> , 46, 2949-2953	5.1	22
162	Systematics study through scanning electron microscopy; a tool for the authentication of herbal drug <i>Mentha suaveolens</i> Ehrh. <i>Microscopy Research and Technique</i> , <b>2020</b> , 83, 81-87	2.8	21
161	Stretchable strain sensors based on polyaniline/thermoplastic polyurethane blends. <i>Polymer Bulletin</i> , <b>2020</b> , 77, 1081-1093	2.4	21

160	Cerium Dioxide Nanoparticles as Smart Carriers for Self-Healing Coatings. <i>Nanomaterials</i> , <b>2020</b> , 10, 5-4	20
159	Limits and possible solutions in quantum dot organic solar cells. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 82, 1551-1564	16.2
158	Novel Electrodeposited Ni-B/Y2O3 Composite Coatings with Improved Properties. <i>Coatings</i> , <b>2017</b> , 7, 161	2.9
157	Effect of annealing temperature on the performance of printable carbon electrodes for perovskite solar cells. <i>Organic Electronics</i> , <b>2019</b> , 65, 375-380	3.5
156	Optimization of ITO glass/TiO2 based DSSC photo-anodes through electrophoretic deposition and sintering techniques. <i>Ceramics International</i> , <b>2017</b> , 43, 10540-10545	5.1
155	Microstructure and Compressive Behavior of Al <sub>2</sub> O <sub>3</sub> Nanocomposites Prepared by Microwave-Assisted Mechanical Alloying. <i>Metals</i> , <b>2019</b> , 9, 414	2.3
154	Erosion Behaviour of API X100 Pipeline Steel at Various Impact Angles and Particle Speeds. <i>Metals</i> , <b>2016</b> , 6, 232	2.3
153	Compositional engineering of the pi-conjugated small molecular VOPcPhO : Alq3 complex to boost humidity sensing. <i>RSC Advances</i> , <b>2017</b> , 7, 19780-19786	3.7
152	Effect of concentration of DOC loaded TiO2 nanotubes on the corrosion behavior of smart coatings. <i>Ceramics International</i> , <b>2019</b> , 45, 10492-10500	5.1
151	Cellulose microfibrils (CMFs) as a smart carrier for autonomous self-healing in epoxy coatings. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 5702-5710	3.6
150	Autonomous self-healing in epoxy coatings provided by high efficiency isophorone diisocyanate (IPDI) microcapsules for protection of carbon steel. <i>Progress in Organic Coatings</i> , <b>2020</b> , 139, 105445	4.8
149	Aluminum nitride (AlN) reinforced electrodeposited NiB nanocomposite coatings. <i>Ceramics International</i> , <b>2020</b> , 46, 9863-9871	5.1
148	Investigating the reliability of H/V spectral ratio and image entropy for quantifying the degree of disintegration of weak rocks. <i>Engineering Geology</i> , <b>2016</b> , 207, 115-128	6
147	Calcium carbonate particles loaded with triethanolamine and polyethylenimine for enhanced corrosion protection of epoxy coated steel. <i>Corrosion Science</i> , <b>2020</b> , 167, 108548	6.8
146	Improved self-healing performance of polymeric nanocomposites reinforced with talc nanoparticles (TNPs) and urea-formaldehyde microcapsules (UFMCs). <i>Arabian Journal of Chemistry</i> , <b>2021</b> , 14, 102926	5.9
145	Synthesis and electrochemical characterization of Cr-doped lithium-rich Li1.2Ni0.16Mn0.56Co0.08-xCr <sub>x</sub> O <sub>2</sub> cathodes. <i>Emergent Materials</i> , <b>2018</b> , 1, 155-164	3.5
144	Designing and performance evaluation of polyelectrolyte multilayered composite smart coatings. <i>Progress in Organic Coatings</i> , <b>2019</b> , 137, 105319	4.8
143	Fine-scale variations of fungal community in a heterogeneous grassland in Inner Mongolia: Effects of the plant community and edaphic parameters. <i>Soil Biology and Biochemistry</i> , <b>2018</b> , 122, 104-110	7.5

142	Erosive wear performance of API X42 pipeline steel. <i>Engineering Failure Analysis</i> , <b>2016</b> , 60, 86-95	3.2	14
141	Effect of soil applied L-tryptophan on growth and chemical composition of cotton. <i>Journal of Plant Nutrition</i> , <b>1995</b> , 18, 317-329	2.3	14
140	Structural and magnetic studies of La <sub>2</sub> BmN <sub>6</sub> (B Ni and Co) nanoparticles prepared by microwave sintering approach. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 177, 346-352	4.4	14
139	Structural and Mechanical Properties of Amorphous Si <sub>3</sub> N <sub>4</sub> Nanoparticles Reinforced Al Matrix Composites Prepared by Microwave Sintering. <i>Ceramics</i> , <b>2019</b> , 2, 126-134	1.7	13
138	Impact of surface coating on electrochemical and thermal behaviors of a Li-rich LiNiMnCoO cathode.. <i>RSC Advances</i> , <b>2020</b> , 10, 15274-15281	3.7	13
137	Corrosion Behavior of API X100 Steel Material in a Hydrogen Sulfide Environment. <i>Metals</i> , <b>2017</b> , 7, 109	2.3	13
136	Hybrid shell microcapsules containing isophorone diisocyanate with high thermal and chemical stability for autonomous self-healing of epoxy coatings. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48751	2.9	13
135	Enhanced mechanical and corrosion protection properties of pulse electrodeposited NiP-ZrO <sub>2</sub> nanocomposite coatings. <i>Surface and Coatings Technology</i> , <b>2020</b> , 403, 126340	4.4	13
134	Compositional engineering of VOPcPhO-TiO nano-composite to reduce the absolute threshold value of humidity sensors. <i>Talanta</i> , <b>2017</b> , 174, 279-284	6.2	12
133	One-dimensional facile growth of MAPbI perovskite micro-rods.. <i>RSC Advances</i> , <b>2019</b> , 9, 11589-11594	3.7	12
132	Corrosion Behavior of Electrodeposited Ni-B Coatings Modified with SiO <sub>2</sub> Particles. <i>International Journal of Electrochemical Science</i> , <b>2017</b> , 4384-4391	2.2	12
131	Microstructure and Mechanical Behavior of Microwave Sintered Cu <sub>50</sub> Ti <sub>50</sub> Amorphous Alloy Reinforced Al Metal Matrix Composites. <i>Jom</i> , <b>2018</b> , 70, 817-822	2.1	12
130	Engineering geology [A] fifty year perspective. <i>Engineering Geology</i> , <b>2016</b> , 201, 67-70	6	12
129	Investigating statistical relationships among clay mineralogy, index engineering properties, and shear strength parameters of mudrocks. <i>Engineering Geology</i> , <b>2013</b> , 159, 45-58	6	12
128	Growth of MAPbBr <sub>3</sub> perovskite crystals and its interfacial properties with Al and Ag contacts for perovskite solar cells. <i>Optical Materials</i> , <b>2017</b> , 73, 50-55	3.3	11
127	Structural and Mechanical Properties of Al-SiC-ZrO <sub>2</sub> Nanocomposites Fabricated by Microwave Sintering Technique. <i>Crystals</i> , <b>2020</b> , 10, 904	2.3	11
126	Effect of ambient temperature on the efficiency of the PCPDTBT: PC71BM BHJ solar cells. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	10
125	Thermomechanical behavior of FeMnSiCrNi shape memory alloys modified with samarium. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2009</b> , 499, 411-414	5.3	10

124	Structural, morphological and optical properties of PEDOT:PSS/QDs nano-composite films prepared by spin-casting. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2016</b> , 83, 64-68	3	10
123	Cerium oxide loaded with Gum Arabic as environmentally friendly anti-corrosion additive for protection of coated steel. <i>Materials and Design</i> , <b>2021</b> , 198, 109361	8.1	10
122	Synthesis and performance evaluation of nanostructured NaFe Cr (SO) cathode materials in sodium ion batteries (SIBs).. <i>RSC Advances</i> , <b>2018</b> , 8, 32985-32991	3.7	10
121	Effect of Temperature on the Corrosion Behavior of API X120 Pipeline Steel in H2S Environment. <i>Journal of Materials Engineering and Performance</i> , <b>2017</b> , 26, 3775-3783	1.6	9
120	Improving Mechanical, Thermal and Damping Properties of NiTi (Nitinol) Reinforced Aluminum Nanocomposites. <i>Journal of Composites Science</i> , <b>2020</b> , 4, 19	3	9
119	Structural and mechanical properties of CeO2 reinforced Al matrix nanocomposites. <i>Advanced Materials Letters</i> , <b>2018</b> , 9, 602-605	2.4	9
118	Charge/Discharge Mechanism of Multicomponent Olivine Cathode for Lithium Rechargeable Batteries. <i>Journal of Electrochemical Science and Technology</i> , <b>2011</b> , 2, 14-19	3.2	9
117	Hydrocarbon degradation in oily sludge by bacterial consortium assisted with alfalfa ( <i>Medicago sativa</i> L.) and maize ( <i>Zea mays</i> L.). <i>Arabian Journal of Geosciences</i> , <b>2020</b> , 13, 1	1.8	9
116	Preparation and property of duplex Ni <sub>3</sub> BiTiO <sub>2</sub> /Ni nano-composite coatings. <i>International Journal of Modern Physics B</i> , <b>2015</b> , 29, 1540022	1.1	8
115	Stability-indicating RP-HPLC method for simultaneous determination of metformin hydrochloride and vildagliptin in tablet and biological samples. <i>Acta Chromatographica</i> , <b>2020</b> , 32, 39-43	1.5	8
114	Corrosion and Heat Treatment Study of Electroless NiP-Ti Nanocomposite Coatings Deposited on HSLA Steel. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	8
113	A focused review on smart carriers tailored for corrosion protection: Developments, applications, and challenges. <i>Progress in Organic Coatings</i> , <b>2021</b> , 154, 106218	4.8	8
112	Fabrication and Mechanical Properties of Extruded Al-SiC Nanocomposites. <i>Nano Hybrids and Composites</i> , <b>2017</b> , 16, 9-12	0.7	7
111	A comparative study on the performance of hybrid solar cells containing ZnS/TiO <sub>2</sub> QDs in hole transporting layer and photoactive layer. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	7
110	Eco-friendly dredged material-cement bricks. <i>Construction and Building Materials</i> , <b>2021</b> , 271, 121524	6.7	7
109	Erosion Behavior of API X120 Steel: Effect of Particle Speed and Impact Angle. <i>Coatings</i> , <b>2018</b> , 8, 343	2.9	7
108	Effect of concentration of TiC on the properties of pulse electrodeposited Ni <sub>3</sub> BiTiC nanocomposite coatings. <i>Ceramics International</i> , <b>2021</b> , 47, 19123-19133	5.1	7
107	On the synergistic corrosion inhibition and polymer healing effects of polyolefin coatings modified with Ce-loaded hydroxyapatite particles applied on steel. <i>Electrochimica Acta</i> , <b>2021</b> , 388, 138648	6.7	7

106	Self-healing behavior of epoxy-based double-layer nanocomposite coatings modified with Zirconia nanoparticles. <i>Materials and Design</i> , <b>2021</b> , 207, 109839	8.1	7
105	A Durability Classification of Clay-Bearing Rocks Based on Particle Size Distribution of Slaked Material. <i>Environmental and Engineering Geoscience</i> , <b>2017</b> , 23, 125-136	0.7	6
104	Microstructure and properties of NiTiO <sub>2</sub> /TiO <sub>2</sub> composite coatings fabricated by electroplating. <i>International Journal of Modern Physics B</i> , <b>2015</b> , 29, 1540008	1.1	6
103	Application of Li-, Mg-, Ba-, Sr-, Ca-, and Sn-doped ceria for solar-driven thermochemical conversion of carbon dioxide. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 11797-11807	4.3	6
102	A BHJ-thin-film/liquid-electrolyte based electrochemical-sensor for visible light-detection. <i>RSC Advances</i> , <b>2017</b> , 7, 35445-35450	3.7	6
101	Comparison of shape memory behavior and properties of iron-based shape memory alloys containing samarium addition. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2007</b> , 457, 169-172	5.3	6
100	Recent Advances in WS <sub>2</sub> and Its Based Heterostructures for Water-Splitting Applications. <i>Catalysts</i> , <b>2021</b> , 11, 1283	4	6
99	Smart epoxy coating modified with isophorone diisocyanate microcapsules and cerium organophosphate for multilevel corrosion protection of carbon steel. <i>Progress in Organic Coatings</i> , <b>2020</b> , 147, 105864	4.8	6
98	Exogenous Potassium-Induced Biochemical Regulations Confer Terminal Heat Tolerance in Wheat. <i>Journal of Soil Science and Plant Nutrition</i> , <b>2019</b> , 19, 137-147	3.2	6
97	Foliar Potassium-Induced Regulations in Glycine Betaine and Malondialdehyde Were Associated with Grain Yield of Heat-Stressed Bread Wheat ( <i>Triticum aestivum</i> L.). <i>Journal of Soil Science and Plant Nutrition</i> , <b>2020</b> , 20, 1785-1798	3.2	6
96	Removal of early fruit branches as potential regulator of Cry1Ac, antioxidants, senescence and yield in Bt. cotton. <i>Industrial Crops and Products</i> , <b>2018</b> , 124, 885-898	5.9	6
95	Effect of microwave sintering on the crystal domain and electrical properties of TiO <sub>2</sub> nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 1	2.3	5
94	An Efficient Method for Euler-Bernoulli Based Image Deconvolution. <i>IEEE Access</i> , <b>2019</b> , 7, 61226-61239	3.5	5
93	Assessment of heavy metals in different organs of cattle egrets ( <i>Bubulcus ibis</i> ) from a rural and urban environment in Pakistan. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 13095-13102	5.1	5
92	Flow Analysis at the Snow Covered High Altitude Catchment via Distributed Energy Balance Modeling. <i>Scientific Reports</i> , <b>2019</b> , 9, 4783	4.9	5
91	Characterization of Failure Parameters and Preliminary Slope Stability Analysis of the Cedar Canyon Landslide, Iron County, Utah. <i>Environmental and Engineering Geoscience</i> , <b>2016</b> , 22, 245-258	0.7	5
90	Structural and mechanical properties of microwave sintered AlNi <sub>50</sub> Ti <sub>50</sub> composites. <i>Journal of Science: Advanced Materials and Devices</i> , <b>2016</b> , 1, 362-366	4.2	5
89	n-InAs based photo-thermo-electrochemical cells for conversion of solar to electrical energy. <i>Journal of Electroanalytical Chemistry</i> , <b>2016</b> , 775, 267-272	4.1	5



88	Development of Metal Matrix Composites Using Microwave Sintering Technique <b>2018</b> ,		5
87	Hydrological response of two high altitude Swiss catchments to energy balance and temperature index melt schemes. <i>Polar Science</i> , <b>2018</b> , 17, 1-12	2.3	5
86	Bacillus pumilus induced tolerance of Maize (Zea mays L.) against Cadmium (Cd) stress. <i>Scientific Reports</i> , <b>2021</b> , 11, 17196	4.9	5
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