

Rana A Shakoor

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

213
papers

4,010
citations

32
h-index

56
g-index

231
ext. papers

5,065
ext. citations

3.9
avg, IF

6.02
L-index

#	Paper	IF	Citations
213	Recent Trends in Applications of X-ray Photoelectron Spectroscopy (XPS) Technique in Coatings for Corrosion Protection 2022 , 167-186		
212	TiO ₂ encrusted MXene as a High-Performance anode material for Li-ion batteries. <i>Applied Surface Science</i> , 2022 , 583, 152441	6.7	2
211	Enhancement of thermoelectric properties of low-toxic and earth-abundant copper selenide thermoelectric material by microwave annealing. <i>Journal of Alloys and Compounds</i> , 2022 , 904, 164131	5.7	1
210	Impact of coatings on the electrochemical performance of LiNi _{0.5} Mn _{1.5} O ₄ cathode materials: A focused review. <i>Ceramics International</i> , 2022 , 48, 7374-7392	5.1	1
209	Temperature and precipitation gradients determine biomass in Birch (<i>Betula</i> spp.) and Fir (<i>Abies</i> spp.) in Eurasia.. <i>Biologia Futura</i> , 2022 , 73, 119	1	0
208	Spatiotemporal variation of climate of different flanks and elevations of the Qinling-Daba mountains in China during 1969-2018.. <i>Scientific Reports</i> , 2022 , 12, 6952	4.9	1
207	Effect of the modified hybrid particle on the corrosion inhibition performance of Polyolefin based coatings for carbon steel. <i>Journal of Science: Advanced Materials and Devices</i> , 2022 , 100466	4.2	
206	Electrochemical Performance of NaV(PO) ₄ F Electrode Material in a Symmetric Cell. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
205	Superior Non-Invasive Glucose Sensor Using Bimetallic CuNi Nanospecies Coated Mesoporous Carbon. <i>Biosensors</i> , 2021 , 11,	5.9	1
204	Relationship between Lipoprotein(a) and cardiovascular risk factors-data from 4602 participants of the ELITE study.. <i>Reviews in Cardiovascular Medicine</i> , 2021 , 22, 1569-1575	3.9	1
203	Recent Advances in WS ₂ and Its Based Heterostructures for Water-Splitting Applications. <i>Catalysts</i> , 2021 , 11, 1283	4	6
202	Multilevel Self-Healing Characteristics of Smart Polymeric Composite Coatings. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 51459-51473	9.5	1
201	Coal fly ash supported CoFeO nanocomposites: Synergetic Fenton-like and photocatalytic degradation of methylene blue. <i>Environmental Research</i> , 2021 , 206, 112280	7.9	2
200	Battling the Invisible Infertility Agony: A Case Study of Infertile Women in Khyber Pakhtunkhwa-Pakistan. <i>Journal of Ethnic and Cultural Studies</i> , 2021 , 8, 89	3.6	3
199	Enhancement of mechanical and corrosion resistance properties of electrodeposited Ni-P-TiC composite coatings. <i>Scientific Reports</i> , 2021 , 11, 5327	4.9	4
198	A focused review on smart carriers tailored for corrosion protection: Developments, applications, and challenges. <i>Progress in Organic Coatings</i> , 2021 , 154, 106218	4.8	8
197	Fast and Scalable Synthesis of LiNi _{0.5} Mn _{1.5} O ₄ Cathode by Sol-Gel-Assisted Microwave Sintering. <i>Energy Technology</i> , 2021 , 9, 2100085	3.5	3

196	Self-Healing Performance of Smart Polymeric Coatings Modified with Tung Oil and Linalyl Acetate. <i>Polymers</i> , 2021 , 13,	4.5	4
195	Performance Enhancement of PPMIM Drives by Using Three 3-Phase Four-Leg Inverters. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 2516-2526	4.3	1
194	Biochemically Triggered Heat and Drought Stress Tolerance in Rice by Proline Application. <i>Journal of Plant Growth Regulation</i> , 2021 , 40, 305-312	4.7	24
193	Eco-friendly dredged material-cement bricks. <i>Construction and Building Materials</i> , 2021 , 271, 121524	6.7	7
192	Improved self-healing performance of polymeric nanocomposites reinforced with talc nanoparticles (TNPs) and urea-formaldehyde microcapsules (UFMCs). <i>Arabian Journal of Chemistry</i> , 2021 , 14, 102926	5.9	15
191	Cerium oxide loaded with Gum Arabic as environmentally friendly anti-corrosion additive for protection of coated steel. <i>Materials and Design</i> , 2021 , 198, 109361	8.1	10
190	Development and Properties of Amorphous Particles Reinforced Al Matrix Nanocomposites 2021 , 96-108		1
189	Evaluation of genetic diversity in geranium (Geraniaceae) using RAPD marker. <i>Genetika</i> , 2021 , 53, 363-378	3.6	4
188	Morphometric analysis and sequence related amplified polymorphism determine genetic diversity in <i>Salvia</i> species. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2021 , 49, 12153	1.2	0
187	Strong genetic differentiation of the <i>Paracaryum</i> species (Boraginaceae) detected by inter-simple sequence repeats (ISSR). <i>Genetika</i> , 2021 , 53, 883-894	0.6	
186	Constraint Solution of a Classical System of Quaternion Matrix Equations and Its Cramer's Rule 2021 , 45, 1015-1024		3
185	Factors Contributing to Landslide Susceptibility of the Kope Formation, Cincinnati, Ohio. <i>Environmental and Engineering Geoscience</i> , 2021 , 27, 307-318	0.7	1
184	Effect of concentration of TiC on the properties of pulse electrodeposited Ni/TiC nanocomposite coatings. <i>Ceramics International</i> , 2021 , 47, 19123-19133	5.1	7
183	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> , 2021 , 388, 138648	6.7	7
182	<i>Bacillus pumilus</i> induced tolerance of Maize (<i>Zea mays</i> L.) against Cadmium (Cd) stress. <i>Scientific Reports</i> , 2021 , 11, 17196	4.9	5
181	Sodium and lithium incorporated cathode materials for energy storage applications - A focused review. <i>Journal of Power Sources</i> , 2021 , 506, 230098	8.9	3
180	Study of Microstructural and Mechanical Properties of Al/SiC/TiO ₂ Hybrid Nanocomposites Developed by Microwave Sintering. <i>Crystals</i> , 2021 , 11, 1078	2.3	5
179	Self-healing behavior of epoxy-based double-layer nanocomposite coatings modified with Zirconia nanoparticles. <i>Materials and Design</i> , 2021 , 207, 109839	8.1	7

178	Effectiveness of Epoxy Coating Modified with Yttrium Oxide Loaded with Imidazole on the Corrosion Protection of Steel. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
177	Graphene wrapped Y ₂ O ₃ coated LiNi _{0.5} Mn _{1.5} O ₄ quasi-spheres as novel cathode materials for lithium-ion batteries. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 1377-1389	5.5	2
176	Optimum sintering method and temperature for cold compact Bismuth Telluride pellets for thermoelectric applications. <i>Journal of Alloys and Compounds</i> , 2021 , 877, 160256	5.7	3
175	Investigating the Properties of Electrodeposited of Ni-P-ZrC Nanocomposite Coatings.. <i>ACS Omega</i> , 2021 , 6, 33310-33324	3.9	2
174	Biosynthesis Pathways, Transport Mechanisms and Biotechnological Applications of Fungal Siderophores.. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 8,	5.6	3
173	Further Expressions on the Drazin Inverse for Block Matrix 2020 , 44, 833-837		1
172	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> , 2020 , 55, 11797-11807	4.3	6
171	Electrochemical and thermodynamic study on the corrosion performance of API X120 steel in 3.5% NaCl solution. <i>Scientific Reports</i> , 2020 , 10, 4314	4.9	24
170	Cellulose microfibers (CMFs) as a smart carrier for autonomous self-healing in epoxy coatings. <i>New Journal of Chemistry</i> , 2020 , 44, 5702-5710	3.6	17
169	Ni incorporation in MgFe ₂ O ₄ for improved CO ₂ -splitting activity during solar fuel production. <i>Journal of Materials Science</i> , 2020 , 55, 11086-11094	4.3	3
168	Stability-indicating RP-HPLC method for simultaneous determination of metformin hydrochloride and vildagliptin in tablet and biological samples. <i>Acta Chromatographica</i> , 2020 , 32, 39-43	1.5	8
167	Calcium carbonate particles loaded with triethanolamine and polyethylenimine for enhanced corrosion protection of epoxy coated steel. <i>Corrosion Science</i> , 2020 , 167, 108548	6.8	15
166	Microstructure and Mechanical Behavior of Hot Extruded Aluminum/Tin-Bismuth Composites Produced by Powder Metallurgy. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2812	2.6	4
165	Impact of surface coating on electrochemical and thermal behaviors of a Li-rich LiNiMnCoO cathode.. <i>RSC Advances</i> , 2020 , 10, 15274-15281	3.7	13
164	Cerium Dioxide Nanoparticles as Smart Carriers for Self-Healing Coatings. <i>Nanomaterials</i> , 2020 , 10,	5.4	20
163	A Short Analysis on the Morphological Characterization of Colloidal Quantum Dots for Photovoltaic Applications. <i>Current Nanoscience</i> , 2020 , 16, 544-555	1.4	1
162	Improving Mechanical, Thermal and Damping Properties of NiTi (Nitinol) Reinforced Aluminum Nanocomposites. <i>Journal of Composites Science</i> , 2020 , 4, 19	3	9
161	Explicit formulas and determinantal representation for Bkew-Hermitian solution to a system of quaternion matrix equations. <i>Filomat</i> , 2020 , 34, 2601-2627	0.7	4

160	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> , 2020 , 83, 81-87	2.8	21
159	Thermochemical splitting of CO ₂ using solution combustion synthesized LaMO ₃ (where, M=Co, Fe, Mn, Ni, Al, Cr, Sr). <i>Applied Surface Science</i> , 2020 , 509, 144908	6.7	2
158	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> , 2020 , 139, 105445	4.8	17
157	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> , 2020 , 137, 48751	2.9	13
156	Landslide Susceptibility and Soil Loss Estimates for Drift Creek Watershed, Lincoln County, Oregon. <i>Environmental and Engineering Geoscience</i> , 2020 , 26, 167-184	0.7	1
155	Aluminum nitride (AlN) reinforced electrodeposited NiB nanocomposite coatings. <i>Ceramics International</i> , 2020 , 46, 9863-9871	5.1	16
154	Structural and Mechanical Properties of Al-SiC-ZrO ₂ Nanocomposites Fabricated by Microwave Sintering Technique. <i>Crystals</i> , 2020 , 10, 904	2.3	11
153	Synergistic Erosion-Corrosion Behavior of API X120 Steel. <i>Materials Today: Proceedings</i> , 2020 , 32, 37-43	1.4	0
152	Improved electrochemical performance of SiO ₂ -coated Li-rich layered oxides-Li _{1.2} Ni _{0.13} Mn _{0.54} Co _{0.13} O ₂ . <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 19475-19484	2.1	4
151	Enhanced mechanical and corrosion protection properties of pulse electrodeposited NiP-ZrO ₂ nanocomposite coatings. <i>Surface and Coatings Technology</i> , 2020 , 403, 126340	4.4	13
150	Corrosion and Heat Treatment Study of Electroless NiP-Ti Nanocomposite Coatings Deposited on HSLA Steel. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
149	Effect of Inconel625 particles on the microstructural, mechanical, and thermal properties of Al-Inconel625 composites. <i>Materials Today Communications</i> , 2020 , 25, 101564	2.5	4
148	Bacterial consortium for improved maize production under oily sludge. <i>Agronomy Journal</i> , 2020 , 112, 4634-4647	2.2	1
147	Smart epoxy coating modified with isophorone diisocyanate microcapsules and cerium organophosphate for multilevel corrosion protection of carbon steel. <i>Progress in Organic Coatings</i> , 2020 , 147, 105864	4.8	6
146	School role in improving parenting skills and academic performance of secondary schools students in Pakistan. <i>Heliyon</i> , 2020 , 6, e05443	3.6	1
145	Synthesis and Performance Evaluation of Na(2-x)Li _x FeP ₂ O ₇ (x=0, 0.6) Hybrid Cathodes. <i>ChemistrySelect</i> , 2020 , 5, 12548-12557	1.8	1
144	Hybrid Halloysite Nanotubes as Smart Carriers for Corrosion Protection. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37571-37584	9.5	33
143	Synthesis of lithium manganese oxide nanocomposites using microwave-assisted chemical precipitation technique and their performance evaluation in lithium-ion batteries. <i>Energy Storage</i> , 2020 , 2, e202	2.8	4

142	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> , 2020 , 13, 1	1.8	9
141	Stretchable strain sensors based on polyaniline/thermoplastic polyurethane blends. <i>Polymer Bulletin</i> , 2020 , 77, 1081-1093	2.4	21
140	Effect of BaTiO ₃ on the sensing properties of PVDF composite-based capacitive humidity sensors. <i>Ceramics International</i> , 2020 , 46, 2949-2953	5.1	22
139	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> , 2020 , 20, 1785-1798	3.2	6
138	Least-Norm of the General Solution to Some System of Quaternion Matrix Equations and Its Determinantal Representations. <i>Abstract and Applied Analysis</i> , 2019 , 2019, 1-18	0.7	1
137	The General Solution of Quaternion Matrix Equation Having \mathbb{H} -Skew-Hermiticity and Its Cramer's Rule. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-25	1.1	4
136	Self-Healing Performance of Multifunctional Polymeric Smart Coatings. <i>Polymers</i> , 2019 , 11,	4.5	31
135	Designing and performance evaluation of polyelectrolyte multilayered composite smart coatings. <i>Progress in Organic Coatings</i> , 2019 , 137, 105319	4.8	14
134	Understanding the Origin of the Ultrahigh Rate Performance of a SiO ₂ -Modified LiNi _{0.5} Mn _{1.5} O ₄ Cathode for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7263-7271	6.1	28
133	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> , 2019 , 164, 485-492	10	39
132	Synthesis and properties of polyelectrolyte multilayered microcapsules reinforced smart coatings. <i>Journal of Materials Science</i> , 2019 , 54, 12079-12094	4.3	24
131	Microstructure and Compressive Behavior of Al ₂ O ₃ Nanocomposites Prepared by Microwave-Assisted Mechanical Alloying. <i>Metals</i> , 2019 , 9, 414	2.3	18
130	Multifunctional self-healing polymeric nanocomposite coatings for corrosion inhibition of steel. <i>Surface and Coatings Technology</i> , 2019 , 372, 121-133	4.4	39
129	Development and Properties of Polymeric Nanocomposite Coatings. <i>Polymers</i> , 2019 , 11,	4.5	22
128	Na ₄ MnV(PO ₄) ₃ -rGO as Advanced cathode for aqueous and non-aqueous sodium ion batteries. <i>Journal of Power Sources</i> , 2019 , 429, 149-155	8.9	43
127	An Efficient Method for Euler's Elastica Based Image Deconvolution. <i>IEEE Access</i> , 2019 , 7, 61226-61239	3.5	5
126	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> , 2019 , 26, 13095-13102	5.1	5
125	Improvement of humidity sensing properties of PVDF-TiO ₂ nanocomposite films using acetone etching. <i>Sensors and Actuators B: Chemical</i> , 2019 , 288, 408-413	8.5	25

124	Flow Analysis at the Snow Covered High Altitude Catchment via Distributed Energy Balance Modeling. <i>Scientific Reports</i> , 2019 , 9, 4783	4.9	5
123	One-dimensional facile growth of MAPbI ₃ perovskite micro-rods. <i>RSC Advances</i> , 2019 , 9, 11589-11594	3.7	12
122	Structural and Mechanical Properties of Amorphous Si ₃ N ₄ Nanoparticles Reinforced Al Matrix Composites Prepared by Microwave Sintering. <i>Ceramics</i> , 2019 , 2, 126-134	1.7	13
121	Effect of concentration of DOC loaded TiO ₂ nanotubes on the corrosion behavior of smart coatings. <i>Ceramics International</i> , 2019 , 45, 10492-10500	5.1	17
120	Spatial patterns and determinants of common root-associated fungi in a subtropical forest of China. <i>Journal of Plant Ecology</i> , 2019 , 12, 255-263	1.7	
119	Epoxy coatings modified with a new cerium phosphate inhibitor for smart corrosion protection of steel. <i>Corrosion Science</i> , 2019 , 159, 108128	6.8	49
118	Further Nonlinear Retarded Integral Inequalities for Gronwall-Bellman Type and Their Applications 2019 , 43, 2559-2568		0
117	Diversity of endophytic fungal community associated to the roots of <i>Argania spinosa</i> (L.) Skeels growing in the arid and semi-arid regions of Algeria. <i>Acta Agriculturae Slovenica</i> , 2019 , 114, 103	1.3	2
116	More refinements of the operator reverse AM-GM inequality for positive linear maps. <i>Journal of Mathematical Inequalities</i> , 2019 , 287-300	2.6	2
115	Exogenous Potassium Induced Biochemical Regulations Confer Terminal Heat Tolerance in Wheat. <i>Journal of Soil Science and Plant Nutrition</i> , 2019 , 19, 137-147	3.2	6
114	The Mechanical and Thermal Response of Shape Memory Alloy-Reinforced Aluminum Nanocomposites. <i>Minerals, Metals and Materials Series</i> , 2019 , 51-62	0.3	1
113	Fast and Adaptive Boosting Techniques for Variational Based Image Restoration. <i>IEEE Access</i> , 2019 , 7, 181491-181504	3.5	2
112	Performance Enhancement of PPMIM Drives by using 3 Three-Phase Four-Leg Inverters 2019 ,		2
111	Influence of Salt Tectonics On Fault Displacements and Submarine Slope Failures from Algeria To Sardinia. <i>Environmental and Engineering Geoscience</i> , 2019 , 25, 318-330	0.7	1
110	Are Three to Ten Tests Enough to Characterize a Rock Property?. <i>Environmental and Engineering Geoscience</i> , 2019 , 25, 223-244	0.7	
109	Nestedness and modularity in fragmented Shasha Forest Reserve, southwestern Nigeria. <i>Journal of Sustainable Forestry</i> , 2019 , 38, 292-304	1.2	1
108	Effect of annealing temperature on the performance of printable carbon electrodes for perovskite solar cells. <i>Organic Electronics</i> , 2019 , 65, 375-380	3.5	19
107	Enhancing thermal and mechanical response of aluminum using nanolength scale TiC ceramic reinforcement. <i>Ceramics International</i> , 2018 , 44, 9247-9254	5.1	41

106	Surface engineering of the PLA films for fabricating dexterous humidity sensors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 8135-8141	2.1	4
105	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> , 2018 , 122, 104-110	7.5	14
104	Synthesis and characterisation of NiB/NiPCeO ₂ duplex composite coatings. <i>Journal of Applied Electrochemistry</i> , 2018 , 48, 391-404	2.6	23
103	Electro-sprayed PVA coating with texture-enriched surface morphology for augmented humidity sensing. <i>Progress in Organic Coatings</i> , 2018 , 117, 7-9	4.8	3
102	Advances in osteobiologic materials for bone substitutes. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 1448-1468	4.4	67
101	Microstructure and Mechanical Behavior of Microwave Sintered Cu50Ti50 Amorphous Alloy Reinforced Al Metal Matrix Composites. <i>Jom</i> , 2018 , 70, 817-822	2.1	12
100	Transition metal doped ceria for solar thermochemical fuel production. <i>Solar Energy</i> , 2018 , 172, 204-2116.8		44
99	Experimental and numerical analysis of nanoindentation of Ti-6246 alloy. <i>Particulate Science and Technology</i> , 2018 , 36, 408-418	2	
98	Limits and possible solutions in quantum dot organic solar cells. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 1551-1564	16.2	20
97	Properties enhancement of Ni-P electrodeposited coatings by the incorporation of nanoscale Y ₂ O ₃ particles. <i>Applied Surface Science</i> , 2018 , 457, 956-967	6.7	42
96	Effect of water content and density on strength and deformation behavior of clay soils. <i>Engineering Geology</i> , 2018 , 244, 125-131	6	30
95	Extreme fast charging characteristics of zirconia modified LiNi _{0.5} Mn _{1.5} O ₄ cathode for lithium ion batteries. <i>Journal of Power Sources</i> , 2018 , 396, 774-781	8.9	42
94	Development of Metal Matrix Composites Using Microwave Sintering Technique 2018 ,		5
93	PLA-TiO ₂ nanocomposites: Thermal, morphological, structural, and humidity sensing properties. <i>Ceramics International</i> , 2018 , 44, 16507-16513	5.1	51
92	Structural and mechanical properties of CeO ₂ reinforced Al matrix nanocomposites. <i>Advanced Materials Letters</i> , 2018 , 9, 602-605	2.4	9
91	A comparative study of structural and mechanical properties of AlCu composites prepared by vacuum and microwave sintering techniques. <i>Journal of Materials Research and Technology</i> , 2018 , 7, 165-172	5.5	23
90	Evaluation of Rockfall-hazard Potential For Rockville, Utah, Following a 2013 Fatal Rockfall. <i>Environmental and Engineering Geoscience</i> , 2018 , 24, 143-163	0.7	3
89	Rock Mass Characterization and Stability Evaluation of Mount Rushmore National Memorial, Keystone, South Dakota. <i>Environmental and Engineering Geoscience</i> , 2018 , 24, 385-412	0.7	1

88	Erosion Behavior of API X120 Steel: Effect of Particle Speed and Impact Angle. <i>Coatings</i> , 2018 , 8, 343	2.9	7
87	Synthesis and performance evaluation of nanostructured NaFe Cr (SO) cathode materials in sodium ion batteries (SIBs).. <i>RSC Advances</i> , 2018 , 8, 32985-32991	3.7	10
86	Organic Thin-Film Capacitive and Resistive Humidity Sensors: A Focus Review. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800969	4.6	73
85	Sodium intercalation/de-intercalation mechanism in Na ₄ MnV(PO ₄) ₃ cathode materials. <i>Electrochimica Acta</i> , 2018 , 292, 98-106	6.7	40
84	Synthesis and electrochemical characterization of Cr-doped lithium-rich Li _{1.2} Ni _{0.16} Mn _{0.56} Co _{0.08-x} Cr _x O ₂ cathodes. <i>Emergent Materials</i> , 2018 , 1, 155-164	3.5	15
83	Removal of early fruit branches as potential regulator of Cry1Ac, antioxidants, senescence and yield in Bt. cotton. <i>Industrial Crops and Products</i> , 2018 , 124, 885-898	5.9	6
82	Enhancing compressive, tensile, thermal and damping response of pure Al using BN nanoparticles. <i>Journal of Alloys and Compounds</i> , 2018 , 762, 398-408	5.7	42
81	Synthesis and Performance Evaluation of Pulse Electrodeposited Ni-AlN Nanocomposite Coatings. <i>Scanning</i> , 2018 , 2018, 7187024	1.6	4
80	Hydrological response of two high altitude Swiss catchments to energy balance and temperature index melt schemes. <i>Polar Science</i> , 2018 , 17, 1-12	2.3	5
79	Scanning Electron Microscopic Studies of Microwave Sintered Al-SiC Nanocomposites and Their Properties. <i>Scanning</i> , 2018 , 2018, 7546573	1.6	4
78	Biological activities of three medicinal plants from district Mirpur, AJK, Pakistan. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2018 , 31, 2341-2346	0.4	
77	A novel classification of prostate specific antigen (PSA) biosensors based on transducing elements. <i>Talanta</i> , 2017 , 168, 52-61	6.2	26
76	Phyto-Toxicity of Chromium in Maize: Oxidative Damage, Osmolyte Accumulation, Anti-Oxidative Defense and Chromium Uptake. <i>Pedosphere</i> , 2017 , 27, 262-273	5	51
75	Compositional engineering of the pi-conjugated small molecular VOPcPhO : Alq ₃ complex to boost humidity sensing. <i>RSC Advances</i> , 2017 , 7, 19780-19786	3.7	17
74	Effect of reinforcement concentration on the properties of hot extruded Al-Al ₂ O ₃ composites synthesized through microwave sintering process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 696, 60-69	5.3	94
73	A Durability Classification of Clay-Bearing Rocks Based on Particle Size Distribution of Slaked Material. <i>Environmental and Engineering Geoscience</i> , 2017 , 23, 125-136	0.7	6
72	Optimization of ITO glass/TiO ₂ based DSSC photo-anodes through electrophoretic deposition and sintering techniques. <i>Ceramics International</i> , 2017 , 43, 10540-10545	5.1	18
71	Effect of microwave sintering on the crystal domain and electrical properties of TiO ₂ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	5

70	Compositional engineering of VOPcPhO-TiO nano-composite to reduce the absolute threshold value of humidity sensors. <i>Talanta</i> , 2017 , 174, 279-284	6.2	12
69	Poly(3-Hexylthiophene) (P3HT), Poly(Gamma-Benzyl-L-Glutamate) (PBLG) and Poly(Methyl Methacrylate) (PMMA) as Energy Harvesting Materials. <i>Springer Series on Polymer and Composite Materials</i> , 2017 , 95-118	0.9	3
68	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> , 2017 , 27, 606-614	3.6	110
67	Novel Electrodeposited Ni-B/Y ₂ O ₃ Composite Coatings with Improved Properties. <i>Coatings</i> , 2017 , 7, 161	2.9	19
66	Corrosion Behavior of API X100 Steel Material in a Hydrogen Sulfide Environment. <i>Metals</i> , 2017 , 7, 109	2.3	13
65	Corrosion Behavior of Electrodeposited Ni-B Coatings Modified with SiO ₂ Particles. <i>International Journal of Electrochemical Science</i> , 2017 , 4384-4391	2.2	12
64	A BHJ-thin-film/liquid-electrolyte based electrochemical-sensor for visible light-detection. <i>RSC Advances</i> , 2017 , 7, 35445-35450	3.7	6
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