

# Dalaver H Anjum

## List of Publications by Year in Descending Order

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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.

226  
papers

10,032  
citations

49  
h-index

95  
g-index

240  
ext. papers

11,905  
ext. citations

7.2  
avg, IF

6.53  
L-index

#	Paper	IF	Citations
226	Scale-Dependent StructureProperty Correlations of Precipitation-Hardened Aluminum Alloys: A Review. <i>Jom</i> , <b>2022</b> , 74, 361-380	2.1	1
225	Investigations of crude-oil emulsions at the micro-to-nano scales. <i>Fuel</i> , <b>2022</b> , 313, 122692	7.1	
224	Hydrogen production via steam reforming of glycerol over Ce-La-Cu-O ternary oxide catalyst: an experimental and DFT study. <i>Applied Surface Science</i> , <b>2022</b> , 586, 152798	6.7	2
223	Variation in sooting characteristics and cetane number of diesel with the addition of a monoterpene biofuel, $\alpha$ -pinene. <i>Fuel</i> , <b>2022</b> , 314, 123082	7.1	2
222	Elucidating the role of La <sup>3+</sup> /Sm <sup>3+</sup> in the carbon paths of dry reforming of methane over Ni/Ce-La(Sm)-Cu-O using transient kinetics and isotopic techniques. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 304, 121015	21.8	3
221	Compact broadband ( O, E, S, C, L & U bands) silicon TE-pass polarizer based on ridge waveguide adiabatic S-bends.. <i>Optics Express</i> , <b>2022</b> , 30, 10087-10095	3.3	1
220	A user-friendly FIB lift-out technique to prepare plan-view TEM sample of 2D thin film materials.. <i>Ultramicroscopy</i> , <b>2022</b> , 235, 113496	3.1	0
219	Temperature dependence of capacitancevoltage characteristics of germanium telluride thin films. <i>Journal of Materials Research and Technology</i> , <b>2022</b> , 18, 2631-2640	5.5	0
218	Role of embedding choline chloride-urea deep eutectic solvent on biomass-derived porous activated carbon in its capacitive deionization performance. <i>Desalination</i> , <b>2022</b> , 530, 115674	10.3	1
217	Effects of the addition of a high energy density fuel, adamantane to diesel on its cetane number, sooting propensity, and soot nanostructural properties <b>2022</b> , 2, 100008		
216	Fuel oxygenation as a novel method to reduce sooting propensity of fuels: An investigation with gasoline surrogate fuels. <i>Fuel</i> , <b>2022</b> , 324, 124562	7.1	
215	Competition between Chiral Energy and Chiral Damping in the Asymmetric Expansion of Magnetic Bubbles. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 4734-4742	4	
214	Engineering Band-Type Alignment in CsPbBr Perovskite-Based Artificial Multiple Quantum Wells. <i>Advanced Materials</i> , <b>2021</b> , 33, e2005166	24	1
213	Synthesis and Characterization of Iron-Doped TiO <sub>2</sub> Nanoparticles Using Ferrocene from Flame Spray Pyrolysis. <i>Catalysts</i> , <b>2021</b> , 11, 438	4	7
212	Harnessing the Extracellular Electron Transfer Capability of Geobacter sulfurreducens for Ambient Synthesis of Stable Bifunctional Single-Atom Electrocatalyst for Water Splitting. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2010916	15.6	4
211	Design Aspects of Doped CeO for Low-Temperature Catalytic CO Oxidation: Transient Kinetics and DFT Approach. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 22391-22415	9.5	21
210	Electrochemical Energy Storage: Harnessing the Extracellular Electron Transfer Capability of Geobacter sulfurreducens for Ambient Synthesis of Stable Bifunctional Single-Atom Electrocatalyst for Water Splitting (Adv. Funct. Mater. 22/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170161	15.6	

209	Ni <sub>2</sub> P Nanoparticles Embedded in Mesoporous SiO <sub>2</sub> for Catalytic Hydrogenation of SO <sub>2</sub> to Elemental S. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 5665-5676	5.6	6
208	Nickel Phosphide Nanoparticles for Selective Hydrogenation of SO <sub>2</sub> to H <sub>2</sub> S. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 6568-6582	5.6	4
207	Active and stable Fe-based catalyst, mechanism, and key role of alkali promoters in ammonia synthesis. <i>Journal of Catalysis</i> , <b>2021</b> , 394, 353-365	7.3	2
206	Application of aberration-corrected scanning transmission electron microscopy in conjunction with valence electron energy loss spectroscopy for the nanoscale mapping of the elastic properties of Al-Li-Cu alloys. <i>Microscopy Research and Technique</i> , <b>2021</b> , 84, 869-880	2.8	1
205	Intrinsic efficiency limits in low-bandgap non-fullerene acceptor organic solar cells. <i>Nature Materials</i> , <b>2021</b> , 20, 378-384	27	108
204	Activation of Ni <sub>2</sub> V <sub>2</sub> O <sub>7</sub> to nonstoichiometric NiV <sub>3</sub> O <sub>8</sub> for solar-driven photoelectrochemical water oxidation. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105526	6.8	1
203	Tunable Selectivity for Electrochemical CO <sub>2</sub> Reduction by Bimetallic Cu <sub>n</sub> Sn Catalysts: Elucidating the Roles of Cu and Sn. <i>ACS Catalysis</i> , <b>2021</b> , 11, 11103-11108	13.1	23
202	Radiation stability and photothermal performance of surface-functionalized plasmonic nanofluids for direct-absorption solar applications. <i>Solar Energy Materials and Solar Cells</i> , <b>2021</b> , 227, 111115	6.4	7
201	3D flower like MnO <sub>2</sub> /MXene Nano-hybrids for the removal of hexavalent Cr from wastewater. <i>Ceramics International</i> , <b>2021</b> , 47, 25951-25958	5.1	7
200	Effect of Vacuum Annealing on Structural and Electrical Properties of Germanium Telluride Thin Films. <i>Materials Research Bulletin</i> , <b>2021</b> , 111575	5.1	1
199	Effect of precipitate coherency on the corrosion-induced hydrogen trapping in 2024 aluminum alloy. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 34487-34497	6.7	1
198	Microscopy techniques applied to submicron characterization of oilfield produced water. <i>Journal of Petroleum Science and Engineering</i> , <b>2021</b> , 206, 108930	4.4	1
197	Nano-characterization of silicon-based multilayers using the technique of STEM-EELS spectrum-imaging. <i>Materials Today Communications</i> , <b>2020</b> , 25, 101209	2.5	
196	Polypropylene/phosphazene nanotube nanocomposites: Thermal, mechanical, and flame retardation studies. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 49525	2.9	4
195	Liquid phase exfoliation of MoS <sub>2</sub> and WS <sub>2</sub> in aqueous ammonia and their application in highly efficient organic solar cells. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 5259-5264	7.1	46
194	Ligand-free gold nanoclusters confined in mesoporous silica nanoparticles for styrene epoxidation. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 1437-1442	5.1	4
193	Green chemistry based fabrication of holey graphene electrodes for high-performance supercapacitors. <i>Materials Letters</i> , <b>2020</b> , 271, 127793	3.3	5
192	Micro-to-nano Scale Strain Characterization of 2024 Aluminum-alloys with Incoherent/Coherent Precipitates. <i>Microscopy and Microanalysis</i> , <b>2020</b> , 26, 1528-1530	0.5	2

191	Phonon Dynamics and Transport Properties of Copper Thiocyanate and Copper Selenocyanate Pseudohalides. <i>ACS Omega</i> , <b>2020</b> , 5, 28637-28642	3.9	3
190	Enhanced photocatalytic hydrogen evolution from organic semiconductor heterojunction nanoparticles. <i>Nature Materials</i> , <b>2020</b> , 19, 559-565	27	171
189	Fabrication-tolerant and CMOS-compatible polarization splitter and rotator based on a compact bent-tapered directional coupler. <i>AIP Advances</i> , <b>2020</b> , 10, 125214	1.5	6
188	Edge stabilization in reduced-dimensional perovskites. <i>Nature Communications</i> , <b>2020</b> , 11, 170	17.4	79
187	Nanostructural Disorder and Reactivity Comparison of Flame Soot and Engine Soot Using Diesel and Jatropha Biodiesel/Diesel Blend as Fuels. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 12960-12971	4.1	10
186	Titanium Carbide MXene Nucleation Layer for Epitaxial Growth of High-Quality GaN Nanowires on Amorphous Substrates. <i>ACS Nano</i> , <b>2020</b> , 14, 2202-2211	16.7	5
185	Quantifying the Transverse-Electric-Dominant 260 nm Emission from Molecular Beam Epitaxy-Grown GaN-Quantum-Disks Embedded in AlN Nanowires: A Comprehensive Optical and Morphological Characterization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 41649-41658	9.5	3
184	Impact of p-type doping on charge transport in blade-coated small-molecule:polymer blend transistors. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 15368-15376	7.1	14
183	Determining the Differences in Image-resolutions of Single-particle CryoTEM Datasets Acquired with Indirect-electron and Direct-electron CMOS Cameras. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 1014-1015	0.5	1015
182	Optimization of Specimen Preparation Methods for Cryo Electron Microscopy of Oil-and-Water Emulsions. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 2428-2429	0.5	3
181	Rapid Size-Based Protein Discrimination inside Hybrid Isoporous Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 8507-8516	9.5	16
180	A novel strategy for the synthesis of highly stable ternary SiOx composites for Li-ion-battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15969-15974	13	89
179	Addition of the Lewis Acid Zn(C F ) Enables Organic Transistors with a Maximum Hole Mobility in Excess of 20 cm V s. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900871	24	48
178	Aqueous Zinc-Ion Storage in MoS by Tuning the Intercalation Energy. <i>Nano Letters</i> , <b>2019</b> , 19, 3199-3206	11.5	223
177	A strategy to convert propane to aromatics (BTX) using TiNp grafted at the periphery of ZSM-5 by surface organometallic chemistry. <i>Dalton Transactions</i> , <b>2019</b> , 48, 6611-6620	4.3	2
176	Evaluating the potential of superhydrophobic nanoporous alumina membranes for direct contact membrane distillation. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 533, 723-732	9.3	42
175	Characterization of Catalyst-nanomaterials with Myriad Modalities of Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 1692-1693	0.5	1
174	TiO-supported Pt single atoms by surface organometallic chemistry for photocatalytic hydrogen evolution. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 24429-24440	3.6	22

173	Exploiting the interactions between the ruthenium Hoveyda-Grubbs catalyst and Al-modified mesoporous silica: the case of SBA15 KCC-1. <i>Chemical Science</i> , <b>2018</b> , 9, 3531-3537	9.4	10
172	Understanding of the structure activity relationship of PtPd bimetallic catalysts prepared by surface organometallic chemistry and ion exchange during the reaction of iso-butane with hydrogen. <i>Journal of Catalysis</i> , <b>2018</b> , 363, 34-51	7.3	7
171	Phosphine plasma activation of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> for high energy asymmetric supercapacitors. <i>Nano Energy</i> , <b>2018</b> , 49, 155-162	17.1	123
170	Porous Porphyrin-Based Organosilica Nanoparticles for NIR Two-Photon Photodynamic Therapy and Gene Delivery in Zebrafish. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800235	15.6	41
169	Synthesis and Characterization of Branched fcc/hcp Ruthenium Nanostructures and Their Catalytic Activity in Ammonia Borane Hydrolysis. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 1509-1516	3.5	15
168	Revealing microstructure and dislocation behavior in AlN/AlGa <sub>N</sub> heterostructures. <i>Applied Physics Express</i> , <b>2018</b> , 11, 011001	2.4	7
167	Spark Plasma Sintering (SPS)-Assisted Synthesis and Thermoelectric Characterization of Magn $\eta$ Phase VO. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 1259-1268	5.1	6
166	Thin porphyrin composite membranes with enhanced organic solvent transport. <i>Journal of Membrane Science</i> , <b>2018</b> , 563, 684-693	9.6	19
165	Ni-Sn-Supported ZrO Catalysts Modified by Indium for Selective CO Hydrogenation to Methanol. <i>ACS Omega</i> , <b>2018</b> , 3, 3688-3701	3.9	64
164	Impacts of doping on epitaxial germanium thin film quality and Si-Ge interdiffusion. <i>Optical Materials Express</i> , <b>2018</b> , 8, 1117	2.6	9
163	Dual-template engineering of triple-layered nanoarray electrode of metal chalcogenides sandwiched with hydrogen-substituted graphdiyne. <i>Nature Communications</i> , <b>2018</b> , 9, 3132	17.4	60
162	GaN/AlGa <sub>N</sub> multiple quantum wells grown on transparent and conductive (-201)-oriented $\beta$ -Ga <sub>2</sub> O <sub>3</sub> substrate for UV vertical light emitting devices. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 082102	3.4	36
161	Transmission Electron Microscopy of Two-Dimensional MXene Sheets. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 1608-1609	0.5	3
160	Photodynamic Therapy: Porous Porphyrin-Based Organosilica Nanoparticles for NIR Two-Photon Photodynamic Therapy and Gene Delivery in Zebrafish (Adv. Funct. Mater. 21/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870143	15.6	3
159	MXenes stretch hydrogel sensor performance to new limits. <i>Science Advances</i> , <b>2018</b> , 4, eaat0098	14.3	334
158	Solvent-Free Synthesis of Quaternary Metal Sulfide Nanoparticles Derived from Thiourea. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1700183	3.1	4
157	Observation of piezotronic and piezo-phototronic effects in n-InGa <sub>N</sub> nanowires/Ti grown by molecular beam epitaxy. <i>Nano Energy</i> , <b>2018</b> , 54, 264-271	17.1	17
156	Electrochemical Energy Storage: Mesoporous Reduced Graphene Oxide as a High Capacity Cathode for Aluminum Batteries (Small 51/2018). <i>Small</i> , <b>2018</b> , 14, 1870251	11	1

155	Precise Control of Pt Particle Size for Surface StructureReaction Activity Relationship. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 23451-23459	3.8	5
154	Reduction and Increase in Thermal Conductivity of Si Irradiated with Ga via Focused Ion Beam. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 37679-37684	9.5	3
153	Mesoporous Reduced Graphene Oxide as a High Capacity Cathode for Aluminum Batteries. <i>Small</i> , <b>2018</b> , 14, e1803584	11	39
152	The Effect of Residual Palladium Catalyst Contamination on the Photocatalytic Hydrogen Evolution Activity of Conjugated Polymers. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1802181	21.8	89
151	Morphology control of anatase TiO for well-defined surface chemistry. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 14362-14373	3.6	17
150	Inherent electrochemistry and charge transfer properties of few-layered two-dimensional TiCT MXene. <i>Nanoscale</i> , <b>2018</b> , 10, 17030-17037	7.7	28
149	Impact of Pore-Walls Ligand Assembly on the Biodegradation of Mesoporous Organosilica Nanoparticles for Controlled Drug Delivery. <i>ACS Omega</i> , <b>2018</b> , 3, 5195-5201	3.9	12
148	Progress in Poly (3-Hexylthiophene) Organic Solar Cells and the Influence of Its Molecular Weight on Device Performance. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1801001	21.8	72
147	Kinetics on NiZn Bimetallic Catalysts for Hydrogen Evolution via Selective Dehydrogenation of Methylcyclohexane to Toluene. <i>ACS Catalysis</i> , <b>2017</b> , 7, 1592-1600	13.1	34
146	Impact of N-plasma and Ga-irradiation on MoS2 layer in molecular beam epitaxy. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 012101	3.4	34
145	Engineering Hydrophobic Organosilica Nanoparticle-Doped Nanofibers for Enhanced and Fouling Resistant Membrane Distillation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 1737-1745	9.5	41
144	Band Alignment at GaN/Single-Layer WSe Interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9110-9117	9.9	47
143	Atomic layer deposition of SnO2 on MXene for Li-ion battery anodes. <i>Nano Energy</i> , <b>2017</b> , 34, 249-256	17.1	307
142	Health-friendly high-quality white light using violet-green-red laser and InGaN nanowires-based true yellow nanowires light-emitting diodes <b>2017</b> ,		3
141	Trapping shape-controlled nanoparticle nucleation and growth stages via continuous-flow chemistry. <i>Chemical Communications</i> , <b>2017</b> , 53, 2495-2498	5.8	16
140	An Oxygen-Insensitive Hydrogen Evolution Catalyst Coated by a Molybdenum-Based Layer for Overall Water Splitting. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 5780-5784	16.4	89
139	Amorphous NiFe-OH/NiFeP Electrocatalyst Fabricated at Low Temperature for Water Oxidation Applications. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 1035-1042	20.1	369
138	Synthesis, optical properties and residual strain effect of GaN nanowires generated via metal-assisted photochemical electroless etching. <i>RSC Advances</i> , <b>2017</b> , 7, 21697-21702	3.7	15



137	Microwave-synthesized tin oxide nanocrystals for low-temperature solution-processed planar junction organo-halide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 7759-7763	13	37
136	The structure and binding mode of citrate in the stabilization of gold nanoparticles. <i>Nature Chemistry</i> , <b>2017</b> , 9, 890-895	17.6	158
135	Hydrogen Production on Ag-Pd/TiO <sub>2</sub> Bimetallic Catalysts: Is there a Combined Effect of Surface Plasmon Resonance with Schottky Mechanism on the Photo-Catalytic Activity?. <i>ChemistrySelect</i> , <b>2017</b> , 2, 2754-2762	1.8	17
134	Self-planarized quantum-disks-in-nanowires ultraviolet-B emitters utilizing pendeo-epitaxy. <i>Nanoscale</i> , <b>2017</b> , 9, 7805-7813	7.7	28
133	Biodegradable Magnetic Silica@Iron Oxide Nanovectors with Ultra-Large Mesopores for High Protein Loading, Magnetothermal Release, and Delivery. <i>Journal of Controlled Release</i> , <b>2017</b> , 259, 187-194	11.7	69
132	Optimization of Specimen Preparation Methods for Cryo Electron Microscopy of Oil-in-water Emulsions. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 2158-2159	0.5	2
131	Type-I band alignment at MoS <sub>2</sub> /In <sub>0.15</sub> Al <sub>0.85</sub> N lattice matched heterojunction and realization of MoS <sub>2</sub> quantum well. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 092104	3.4	22
130	Spatially resolved investigation of competing nanocluster emission in quantum-disks-in-nanowires structure characterized by nanoscale cathodoluminescence. <i>Journal of Nanophotonics</i> , <b>2017</b> , 11, 026015	1.1	3
129	One-Pot Synthesis of Size- and Composition-Controlled Ni-Rich NiPt Alloy Nanoparticles in a Reverse Microemulsion System and Their Application. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30643-30653	9.5	10
128	Synthesis of SiOC:H nanoparticles by electrical discharge in hexamethyldisilazane and water. <i>Plasma Processes and Polymers</i> , <b>2017</b> , 14, 1700089	3.4	7
127	L1 ordering and precipitation in Al-Cu-Li. <i>Scientific Reports</i> , <b>2017</b> , 7, 3254	4.9	13
126	Reactive surface organometallic complexes observed using dynamic nuclear polarization surface enhanced NMR spectroscopy. <i>Chemical Science</i> , <b>2017</b> , 8, 284-290	9.4	44
125	A general approach for the synthesis of bimetallic M <sub>2</sub> N (M = Ru, Rh and Ir) catalysts for efficient hydrogenolysis of ester. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 581-586	5.5	5
124	Analysis of Amorphous-to-crystalline Germanium Stack with Cs-corrected Analytical STEM. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 1514-1515	0.5	
123	Droop-free Al <sub>x</sub> Ga <sub>1-x</sub> N/Al <sub>y</sub> Ga <sub>1-y</sub> N quantum-disks-in-nanowires ultraviolet LED emitting at 337 nm on metal/silicon substrates. <i>Optics Express</i> , <b>2017</b> , 25, 1381-1390	3.3	54
122	Highly uniform ultraviolet-A quantum-confined AlGaN nanowire LEDs on metal/silicon with a TaN interlayer. <i>Optical Materials Express</i> , <b>2017</b> , 7, 4214	2.6	21
121	Solution-processable MoO <sub>x</sub> nanocrystals enable highly efficient reflective and semitransparent polymer solar cells. <i>Nano Energy</i> , <b>2016</b> , 28, 277-287	17.1	23
120	True Yellow Light-Emitting Diodes as Phosphor for Tunable Color-Rendering Index Laser-Based White Light. <i>ACS Photonics</i> , <b>2016</b> , 3, 2089-2095	6.3	21

119	Plasma-Assisted Synthesis of NiCoP for Efficient Overall Water Splitting. <i>Nano Letters</i> , <b>2016</b> , 16, 7718-7725	2.5	5
118	Study of Si-Ge interdiffusion with phosphorus doping. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 165108	15.6	60
117	Contact-Induced Nucleation in High-Performance Bottom-Contact Organic Thin Film Transistors Manufactured by Large-Area Compatible Solution Processing. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2371-2378	1.5	2
116	Synthesis of Titanium Dioxide Nanoparticles Using a Double-Slit Curved Wall-Jet Burner. <i>Combustion Science and Technology</i> , <b>2016</b> , 188, 623-636	1.9	2
115	Transmission electron microscopy of mercury metal. <i>Journal of Microscopy</i> , <b>2016</b> , 263, 365-70	1.3	5
114	A Rapid and Cost-Effective Laser Based Synthesis of High Purity Cadmium Selenide Quantum Dots. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 867-72		4
113	First demonstration of orange-yellow light emitter devices in InGaP/InAlGaP laser structure using strain-induced quantum well intermixing technique <b>2016</b> ,	2.3	10
112	Synthesis of TiO <sub>2</sub> nanoparticles containing Fe, Si, and V using multiple diffusion flames and catalytic oxidation capability of carbon-coated nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	7.7	287
111	H <sub>2</sub> O <sub>2</sub> assisted room temperature oxidation of Ti <sub>2</sub> C MXene for Li-ion battery anodes. <i>Nanoscale</i> , <b>2016</b> , 8, 7580-7	13	17
110	Colloidal Sb <sub>2</sub> S <sub>3</sub> nanocrystals: synthesis, characterization and fabrication of solid-state semiconductor sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 6809-6814	6.9	31
109	Tunable Nanocarrier Morphologies from Glycopolyptide-Based Amphiphilic Biocompatible Star Copolymers and Their Carbohydrate Specific Intracellular Delivery. <i>Biomacromolecules</i> , <b>2016</b> , 17, 466-75	6.2	16
108	An evaluation of microwave-assisted fusion and microwave-assisted acid digestion methods for determining elemental impurities in carbon nanostructures using inductively coupled plasma optical emission spectrometry. <i>Talanta</i> , <b>2016</b> , 148, 94-100	2.6	11
107	On the optical and microstrain analysis of graded InGaN/GaN MQWs based on plasma assisted molecular beam epitaxy. <i>Optical Materials Express</i> , <b>2016</b> , 6, 2052	0.5	
106	Characterization of T8 Tempered Al-Li-Cu alloy (AA2195) by Using AC- STEM. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 1946-1947	4.8	67
105	Biodegradable Oxamide-Phenylene-Based Mesoporous Organosilica Nanoparticles with Unprecedented Drug Payloads for Delivery in Cells. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 14806-14811	4.8	38
104	Periodic Mesoporous Organosilica Nanoparticles with Controlled Morphologies and High Drug/Dye Loadings for Multicargo Delivery in Cancer Cells. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 9607-15	9.5	256
103	Direct Chemical Synthesis of MnO <sub>2</sub> Nanowhiskers on Transition-Metal Carbide Surfaces for Supercapacitor Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 18806-14	5.2	45
102	Gold Nanoparticles Supported on Fibrous Silica Nanospheres (KCC-1) as Efficient Heterogeneous Catalysts for CO Oxidation. <i>ChemCatChem</i> , <b>2016</b> , 8, 1671-1678		



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