

# Caue Ribeiro

## 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.

219  
papers

6,221  
citations

43  
h-index

67  
g-index

241  
ext. papers

7,145  
ext. citations

4.8  
avg, IF

6.31  
L-index

#	Paper	IF	Citations
219	Role of Cu <sub>0</sub> -TiO <sub>2</sub> interaction in catalyst stability in CO <sub>2</sub> photoreduction process. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107291	6.8	2
218	Biological treatment of asbestos cement wastes by <i>Aspergillus niger</i> and <i>Acidithiobacillus thiooxidans</i> . <i>Applied Clay Science</i> , <b>2022</b> , 216, 106375	5.2	1
217	Unveiling the Solubilization of Potassium Mineral Rocks in Organic Acids for Application as K-Fertilizer.. <i>Applied Biochemistry and Biotechnology</i> , <b>2022</b> , 1	3.2	
216	Bio-based composite granules with simultaneous biocontrol and phosphorus fertilization roles: outcomes from a lab-scale in-vitro assessment.. <i>Biotechnology Progress</i> , <b>2022</b> , e3242	2.8	0
215	Asbestos cement waste treatment through mechanochemical process with KHPO for its utilization in soil pH correction and nutrient delivery.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	0
214	Photocatalytic materials applications for sustainable agriculture. <i>Progress in Materials Science</i> , <b>2022</b> , 100965	42.2	1
213	Experimental evaluation of the activity and selectivity of pure MnWO <sub>4</sub> and doped with rare earth ions in the CO <sub>2</sub> photoreduction process. <i>Materials Research Bulletin</i> , <b>2022</b> , 153, 111912	5.1	1
212	Cytocompatibility and osteogenic differentiation of stem cells from human exfoliated deciduous teeth with cotton cellulose nanofibers for tissue engineering and regenerative medicine. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2021</b> , 1-24	3.5	0
211	Promoting CO <sub>2</sub> electroreduction on boron-doped diamond electrodes: Challenges and trends. <i>Current Opinion in Electrochemistry</i> , <b>2021</b> , 32, 100890	7.2	3
210	Preparation and Application of NbO Nanofibers in CO Photoconversion.. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
209	Enhancing Nb <sub>2</sub> O <sub>5</sub> activity for CO <sub>2</sub> photoreduction through Cu nanoparticles cocatalyst deposited by DC-magnetron sputtering. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2021</b> , 53, 101739	7.6	1
208	Synthesis and characterization of tin halide perovskites based on different tin(II) precursors. <i>Materials Letters</i> , <b>2021</b> , 308, 131163	3.3	
207	Effect of Different Surface-Charged Lamellar Materials on Swelling Properties of Nanocomposite Hydrogels. <i>Journal of Polymers and the Environment</i> , <b>2021</b> , 29, 3311-3323	4.5	0
206	Synergy of <i>Aspergillus niger</i> and Components in Biofertilizer Composites Increases the Availability of Nutrients to Plants. <i>Current Microbiology</i> , <b>2021</b> , 78, 1529-1542	2.4	5
205	Different Zn loading in Urea-Formaldehyde influences the N controlled release by structure modification. <i>Scientific Reports</i> , <b>2021</b> , 11, 7621	4.9	2
204	A Versatile Nb <sub>2</sub> O <sub>5</sub> /SnO <sub>2</sub> Heterostructure for Different Environmental Purposes: Water Treatment and Artificial Photosynthesis. <i>ChemCatChem</i> , <b>2021</b> , 13, 730-738	5.2	2
203	Facile preparation of ZnO:g-C <sub>3</sub> N <sub>4</sub> heterostructures and their application in amiloride photodegradation and CO <sub>2</sub> photoreduction. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 856, 156798	5.7	12

202	Improving g-C <sub>3</sub> N <sub>4</sub> :WO <sub>3</sub> Z-scheme photocatalytic performance under visible light by multivariate optimization of g-C <sub>3</sub> N <sub>4</sub> synthesis. <i>Applied Surface Science</i> , <b>2021</b> , 537, 147904	6.7	9
201	Microwave-assisted synthesis of Ca <sub>1-x</sub> Mn <sub>x</sub> MoO <sub>4</sub> (x = 0, 0.2, 0.7, and 1) and its application in artificial photosynthesis. <i>Ceramics International</i> , <b>2021</b> , 47, 5388-5398	5.1	4
200	Photocatalytic CO <sub>2</sub> reduction over Nb <sub>2</sub> O <sub>5</sub> /basic bismuth nitrate nanocomposites. <i>Materials Research Bulletin</i> , <b>2021</b> , 133, 111073	5.1	8
199	A microwave-based one-pot process for homogeneous surface coating: improved electrochemical performance of Li(Ni <sub>1/3</sub> Mn <sub>1/3</sub> Co <sub>1/3</sub> )O <sub>2</sub> with a nano-scaled ZnO:Al layer. <i>Nano Select</i> , <b>2021</b> , 2, 146-157	3.1	
198	Amino↔Imino Tautomerism in the Salt Formation of Albendazole: Hydrobromide and Nitrate Salts. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 1122-1135	3.5	5
197	Improved Alfalfa Phosphate Utilization Using Zeolite Amendments in Low pH Soil. <i>Journal of Soil Science and Plant Nutrition</i> , <b>2021</b> , 21, 1307-1317	3.2	2
196	Synergy of Phosphate-Controlled Release and Sulfur Oxidation in Novel Polysulfide Composites for Sustainable Fertilization. <i>Journal of Agricultural and Food Chemistry</i> , <b>2021</b> , 69, 2392-2402	5.7	3
195	A green K-fertilizer using mechanical activation to improve the solubilization of a low-reactivity potassium mineral by <i>Aspergillus niger</i> . <i>Bioresource Technology Reports</i> , <b>2021</b> , 15, 100711	4.1	2
194	MnCl <sub>2</sub> doping increases phase stability of tin halide perovskites. <i>Materials Science in Semiconductor Processing</i> , <b>2021</b> , 132, 105908	4.3	1
193	Mechanochemical synthesis of eco-friendly fertilizer from eggshell (calcite) and KH <sub>2</sub> PO <sub>4</sub> . <i>Advanced Powder Technology</i> , <b>2021</b> , 32, 4070-4070	4.6	3
192	Driving a sustainable application of s-triazine ametryn and atrazine herbicides through multicomponent crystals with improved solubility. <i>CrystEngComm</i> , <b>2021</b> , 23, 4252-4263	3.3	2
191	Unveiling the role of peroxo groups in Nb <sub>2</sub> O <sub>5</sub> photocatalytic efficiency under visible light. <i>Materials Letters</i> , <b>2020</b> , 273, 127915	3.3	4
190	Rapid microwave-assisted hydrothermal synthesis of CuBi <sub>2</sub> O <sub>4</sub> and its application for the artificial photosynthesis. <i>Materials Letters</i> , <b>2020</b> , 275, 128165	3.3	6
189	Development of a water erosion tracer using industrial residue as a source of rare earth elements. <i>Applied Clay Science</i> , <b>2020</b> , 195, 105709	5.2	1
188	Unveiling CuO role in CO <sub>2</sub> photoreduction process [Catalyst or reactant?]. <i>Catalysis Communications</i> , <b>2020</b> , 137, 105929	3.2	13
187	Electrochemical reduction of CO <sub>2</sub> to formic acid on Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> /carbon fiber electrodes. <i>Journal of Materials Research</i> , <b>2020</b> , 35, 272-280	2.5	7
186	Towards urea and glycerol utilization as Building blocks for polyurethane production: A detailed study about reactivity and structure for environmentally friendly polymer synthesis. <i>Reactive and Functional Polymers</i> , <b>2020</b> , 153, 104629	4.6	3
185	Enhancing TiO <sub>2</sub> activity for CO <sub>2</sub> photoreduction through MgO decoration. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2020</b> , 35, 106-114	7.6	25

184	Fabrication of SrTiO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> heterostructures for visible light-induced photocatalysis. <i>Materials Science in Semiconductor Processing</i> , <b>2020</b> , 108, 104887	4.3	12
183	Role of urea and melamine as synergic co-plasticizers for starch composites for fertilizer application. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 144, 143-150	7.9	14
182	Solar-heating boosted catalytic reduction of CO <sub>2</sub> under full-solar spectrum. <i>Chinese Journal of Catalysis</i> , <b>2020</b> , 41, 131-139	11.3	34
181	Oil-based polyurethane-coated urea reduces nitrous oxide emissions in a corn field in a Maryland loamy sand soil. <i>Journal of Cleaner Production</i> , <b>2020</b> , 249, 119329	10.3	11
180	Polyurethane nanocomposites can increase the release control in granulated fertilizers by controlling nutrient diffusion. <i>Applied Clay Science</i> , <b>2020</b> , 199, 105874	5.2	5
179	Experimental Evidence of CO Photoreduction Activity of SnO Nanoparticles. <i>ChemPhysChem</i> , <b>2020</b> , 21, 2392-2396	3.2	6
178	Tailoring Efficient Materials for NPK All-in-One Granular Fertilization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 18387-18395	3.9	0
177	Synergy between castor oil polyurethane/starch polymer coating and local acidification by <i>A. niger</i> for increasing the efficiency of nitrogen fertilization using urea granules. <i>Industrial Crops and Products</i> , <b>2020</b> , 154, 112717	5.9	6
176	CuO Decoration Controls Nb <sub>2</sub> O <sub>5</sub> Photocatalyst Selectivity in CO <sub>2</sub> Reduction. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 7629-7636	6.1	13
175	Crystallization time in ZnO: the role of surface OH groups in its photoactivity. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 18216-18224	3.6	4
174	Biodegradable oil-based polymeric coatings on urea fertilizer: N release kinetic transformations of urea in soil. <i>Scientia Agricola</i> , <b>2020</b> , 77,	2.5	16
173	Controlled release of nitrogen using urea-melamine-starch composites. <i>Journal of Cleaner Production</i> , <b>2019</b> , 217, 448-455	10.3	23
172	Insights into the role of CuO in the CO photoreduction process. <i>Scientific Reports</i> , <b>2019</b> , 9, 1316	4.9	31
171	Why nonconventional materials are answers for sustainable agriculture. <i>MRS Energy &amp; Sustainability</i> , <b>2019</b> , 6, 1	2.2	11
170	ZnO:ZnWO <sub>4</sub> heterostructure with enhanced photocatalytic activity for pollutant degradation in liquid and gas phases. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 797, 1299-1309	5.7	18
169	Challenges of Synthesis and Environmental Applications of Metal-Free Nano-heterojunctions. <i>Environmental Chemistry for A Sustainable World</i> , <b>2019</b> , 107-138	0.8	
168	Growth of tomato seedlings in substrates containing a nanocomposite hydrogel with calcium montmorillonite (NC-MMt). <i>Horticultura Brasileira</i> , <b>2019</b> , 37, 199-203	0.9	6
167	Insights into formation of anatase TiO <sub>2</sub> nanoparticles from peroxo titanium complex degradation under microwave-assisted hydrothermal treatment. <i>Ceramics International</i> , <b>2019</b> , 45, 22998-23006	5.1	12

166	SEMICONDUCTORES HETEROESTRUTURADOS: UMA ABORDAGEM SOBRE OS PRINCIPAIS DESAFIOS PARA A OBTENÇÃO E APLICAÇÃO EM PROCESSOS FOTOQUÍMICOS AMBIENTAIS E ENERGÉTICOS. <i>Química Nova</i> , <b>2019</b> ,	1.6	2
165	Sulfur fertilizer based on inverse vulcanization process with soybean oil. <i>Polymer Degradation and Stability</i> , <b>2019</b> , 162, 102-105	4.7	37
164	Zn-doped Nb <sub>2</sub> O <sub>5</sub> photocatalysts driven by visible-light: An experimental and theoretical study. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 228, 160-167	4.4	24
163	Highly water soluble agrichemicals by using engineered organic salts for reducing adverse environmental impacts. <i>Green Chemistry</i> , <b>2019</b> , 21, 6419-6429	10	1
162	Acidic surface niobium pentoxide is catalytic active for CO <sub>2</sub> photoreduction. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 242, 349-357	21.8	37
161	Zn-Al-based layered double hydroxides (LDH) active structures for dental restorative materials. <i>Journal of Materials Research and Technology</i> , <b>2019</b> , 8, 1250-1257	5.5	6
160	Controlled Release of Phosphate from Layered Double Hydroxide Structures: Dynamics in Soil and Application as Smart Fertilizer. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 5152-5161	8.3	61
159	Insights into the photocatalytic performance of Bi <sub>2</sub> CO <sub>3</sub> /BiVO <sub>4</sub> heterostructures prepared by one-step hydrothermal method.. <i>RSC Advances</i> , <b>2018</b> , 8, 10889-10897	3.7	16
158	Role of crystallinity on the optical properties of Na <sub>2</sub> V <sub>6</sub> O <sub>16</sub> ·nH <sub>2</sub> O nanowires. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 731, 1119-1124	5.7	0
157	Photoactivity of N-doped ZnO nanoparticles in oxidative and reductive reactions. <i>Applied Surface Science</i> , <b>2018</b> , 433, 879-886	6.7	38
156	[Mg-Al]-LDH and [Zn-Al]-LDH as Matrices for Removal of High Loadings of Phosphate. <i>Materials Research</i> , <b>2018</b> , 21,	1.5	16
155	Smart Fertilization Based on Sulfur-Phosphate Composites: Synergy among Materials in a Structure with Multiple Fertilization Roles. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 12187-12196	8.3	14
154	A Fed-Batch Strategy Integrated with Mechanical Activation Improves the Solubilization of Phosphate Rock by <i>Aspergillus niger</i> . <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 11326-11334	8.3	10
153	Direct photo-oxidation and superoxide radical as major responsible for dye photodegradation mechanism promoted by TiO <sub>2</sub> /GO heterostructure. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 17022-17037	2.1	6
152	Strategy for Multinutrient Application in Integrated Granules Using Zein as a Coating Layer. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 9582-9587	5.7	9
151	High-performance ultraviolet-visible driven ZnO morphologies photocatalyst obtained by microwave-assisted hydrothermal method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 353, 358-367	4.7	28
150	A Novel, Simple Route to Produce Urea:Urea-Formaldehyde Composites for Controlled Release of Fertilizers. <i>Journal of Polymers and the Environment</i> , <b>2018</b> , 26, 2448-2458	4.5	8
149	New Approach of the Oxidant Peroxo Method (OPM) Route to Obtain Ti(OH) <sub>4</sub> Nanoparticles with High Photocatalytic Activity under Visible Radiation. <i>International Journal of Photoenergy</i> , <b>2018</b> , 2018, 1-10	2.1	5

148	Nanocomposite of starch-phosphate rock bioactivated for environmentally-friendly fertilization. <i>Minerals Engineering</i> , <b>2018</b> , 128, 230-237	4.9	11
147	A novel combined mechanical-biological approach to improve rock phosphate solubilization. <i>International Journal of Mineral Processing</i> , <b>2017</b> , 161, 50-58		24
146	Charge transfer mechanism of WO <sub>3</sub> /TiO <sub>2</sub> heterostructure for photoelectrochemical water splitting. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 339, 95-102	4.7	25
145	The interplay between morphology and photocatalytic activity in ZnO and N-doped ZnO crystals. <i>Materials and Design</i> , <b>2017</b> , 120, 363-375	8.1	52
144	Role of Slow-Release Nanocomposite Fertilizers on Nitrogen and Phosphate Availability in Soil. <i>Scientific Reports</i> , <b>2017</b> , 7, 46032	4.9	95
143	Synthesis of ZnO Nanoparticles Assisted by N Sources and their Application in the Photodegradation of Organic Contaminants. <i>ChemCatChem</i> , <b>2017</b> , 9, 3795-3804	5.2	28
142	Nanoscaled Platforms Based on SiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> Impregnated with Potassium Permanganate Use Color Changes to Indicate Ethylene Removal. <i>Food and Bioprocess Technology</i> , <b>2017</b> , 10, 1622-1630	5.1	24
141	g-C <sub>3</sub> N <sub>4</sub> /Nb <sub>2</sub> O <sub>5</sub> heterostructures tailored by sonochemical synthesis: Enhanced photocatalytic performance in oxidation of emerging pollutants driven by visible radiation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 216, 70-79	21.8	83
140	A building blocks strategy for preparing photocatalytically active anatase TiO <sub>2</sub> /rutile SnO heterostructures by hydrothermal annealing. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 505, 454-459	9.3	23
139	Synthesis and characterization of eco-friendly Ca-Al-LDH loaded with phosphate for agricultural applications. <i>Applied Clay Science</i> , <b>2017</b> , 137, 143-150	5.2	35
138	Controlled Urea Release Employing Nanocomposites Increases the Efficiency of Nitrogen Use by Forage. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 9993-10001	8.3	33
137	Preparation, characterization and application of phase-pure anatase and rutile TiO <sub>2</sub> nanoparticles by new green route. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 16932-16938	2.1	5
136	Role of Polymeric Coating on the Phosphate Availability as a Fertilizer: Insight from Phosphate Release by Castor Polyurethane Coatings. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 5890-5895	5.7	47
135	SrTi <sub>1-x</sub> Fe <sub>y</sub> O <sub>3</sub> samples obtained by hydrothermal method: The effect of the amount of Fe on structural and photocatalytic properties. <i>Materials Science in Semiconductor Processing</i> , <b>2017</b> , 68, 140-144	4.3	5
134	Growth of BiVO <sub>4</sub> Nanoparticles on a Bi <sub>2</sub> O <sub>3</sub> Surface: Effect of Heterojunction Formation on Visible Irradiation-Driven Catalytic Performance. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 13747-13756	3.8	31
133	Synthesis of g-C <sub>3</sub> N <sub>4</sub> /Nb <sub>2</sub> O <sub>5</sub> heterostructures and their application in the removal of organic pollutants under visible and ultraviolet irradiation. <i>Ceramics International</i> , <b>2017</b> , 43, 3521-3530	5.1	40
132	UV-enhanced ozone gas sensing response of ZnO-SnO <sub>2</sub> heterojunctions at room temperature. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 240, 573-579	8.5	80
131	Enhanced Cr(VI) photoreduction in aqueous solution using Nb <sub>2</sub> O <sub>5</sub> /CuO heterostructures under UV and visible irradiation. <i>Chemical Engineering Journal</i> , <b>2017</b> , 312, 220-227	14.7	43

130	ZnO/SnO <sub>2</sub> Heterojunctions Sensors with UV-Enhanced Gas-Sensing Properties at Room Temperature. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 418	0.3	4
129	N-doping SrTiO <sub>3</sub> @SrCO <sub>3</sub> heterostructure electrode: Synthesis, electrochemical characterization, and varistor application. <i>Ceramics International</i> , <b>2017</b> , 43, 11722-11732	5.1	7
128	Photoelectrochemical and theoretical investigation of the photocatalytic activity of TiO <sub>2</sub> : N. <i>RSC Advances</i> , <b>2016</b> , 6, 89687-89698	3.7	32
127	Study of the morphological evolution of vanadium pentoxide nanostructures under hydrothermal conditions. <i>CrystEngComm</i> , <b>2016</b> , 18, 7636-7641	3.3	4
126	Synergistic effect on the photocatalytic activity of N-doped TiO <sub>2</sub> nanorods synthesised by novel route with exposed (110) facet. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 666, 38-49	5.7	58
125	Slow release fertilizers based on urea/urea-formaldehyde polymer nanocomposites. <i>Chemical Engineering Journal</i> , <b>2016</b> , 287, 390-397	14.7	88
124	Low temperature synthesis of N-doped TiO <sub>2</sub> with rice-like morphology through peroxy assisted hydrothermal route: Materials characterization and photocatalytic properties. <i>Applied Surface Science</i> , <b>2016</b> , 377, 121-133	6.7	43
123	Rapid and morphology controlled synthesis of anionic S-doped TiO <sub>2</sub> photocatalysts for the visible-light-driven photodegradation of organic pollutants. <i>RSC Advances</i> , <b>2016</b> , 6, 36516-36527	3.7	39
122	CuO synthesized by solvothermal method as a high capacity adsorbent for hexavalent chromium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 498, 161-167	5.1	32
121	Physico-chemical assessment of [Mg-Al-PO <sub>4</sub> ]-LDHs obtained by structural reconstruction in high concentration of phosphate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 497, 53-62	5.1	30
120	Controlled synthesis of BiVO <sub>4</sub> photocatalysts: Evidence of the role of heterojunctions in their catalytic performance driven by visible-light. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 188, 87-97	21.8	111
119	Different dye degradation mechanisms for ZnO and ZnO doped with N (ZnO:N). <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 417, 89-100		44
118	An insight toward the photocatalytic activity of S doped 1-D TiO <sub>2</sub> nanorods prepared via novel route: As promising platform for environmental leap. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 412, 78-92		41
117	Hierarchical growth of ZnO nanorods over SnO <sub>2</sub> seed layer: insights into electronic properties from photocatalytic activity. <i>RSC Advances</i> , <b>2016</b> , 6, 2112-2118	3.7	35
116	Rutile supported anatase nanostructured films as photocatalysts for the degradation of water contaminants. <i>Ceramics International</i> , <b>2016</b> , 42, 808-819	5.1	7
115	Characterization of Single Superphosphate Powders & study of Milling Effects on Solubilization Kinetics. <i>Materials Research</i> , <b>2016</b> , 19, 98-105	1.5	33
114	Utilização de partículas de ZnO:Mn para a degradação do azul de metileno por processo de fotocatalise. <i>Ceramica</i> , <b>2016</b> , 62, 345-350	1	0
113	An Understanding of the Photocatalytic Properties and Pollutant Degradation Mechanism of SrTiO <sub>3</sub> Nanoparticles. <i>Photochemistry and Photobiology</i> , <b>2016</b> , 92, 371-8	3.6	33

112	Controlled release of nitrogen-source fertilizers by natural-oil-based poly(urethane) coatings: The kinetic aspects of urea release. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	39
111	Nanocomposite fibers of poly(lactic acid)/titanium dioxide prepared by solution blow spinning. <i>Polymer Bulletin</i> , <b>2016</b> , 73, 2973-2985	2.4	26
110	Nitrogen-doped titanium dioxide: An overview of material design and dimensionality effect over modern applications. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2016</b> , 27, 1-29	16.4	69
109	A comparative run for visible-light-driven photocatalytic activity of anionic and cationic S-doped TiO <sub>2</sub> photocatalysts: A case study of possible sulfur doping through chemical protocol. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 421, 1-15		41
108	Macro- and Micronutrient Simultaneous Slow Release from Highly Swellable Nanocomposite Hydrogels. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 3133-40	5.7	30
107	Optimized Porous Anodic Alumina Membranes for Water Ultrafiltration of Pathogenic Bacteria (E. coli). <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 6526-34	1.3	6
106	Prospective aspects of preferential {001} facets of N,S-co-doped TiO <sub>2</sub> photocatalysts for visible-light-responsive photocatalytic activity. <i>RSC Advances</i> , <b>2016</b> , 6, 89274-89287	3.7	15
105	Zinc hydroxide/oxide and zinc hydroxy stannate photocatalysts as potential scaffolds for environmental remediation. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 4624-4630	3.6	17
104	Insight into the Photocatalytical Activity of TiO <sub>2</sub> Nanoparticles Through the Electrochemical Characterization of Carbon Paste Electrodes. <i>Electrocatalysis</i> , <b>2015</b> , 6, 92-101	2.7	6
103	Novel Slow-Release Nanocomposite Nitrogen Fertilizers: The Impact of Polymers on Nanocomposite Properties and Function. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 3717-3725 <sup>64</sup>	3.9	64
102	Heterostructure formation from hydrothermal annealing of preformed nanocrystals. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2216-2225	13	24
101	Production of heterostructured TiO <sub>2</sub> /WO <sub>3</sub> Nanoparticulated photocatalysts through a simple one pot method. <i>Ceramics International</i> , <b>2015</b> , 41, 3502-3510	5.1	18
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