

Anandan sambandam

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335
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347
ext. papers

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ext. citations

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avg, IF

6.79
L-index

#	Paper	IF	Citations
335	Photocatalytic activity of La-doped ZnO for the degradation of monocrotophos in aqueous suspension. <i>Journal of Molecular Catalysis A</i> , 2007 , 266, 149-157		274
334	Room temperature growth of CuO nanorod arrays on copper and their application as a cathode in dye-sensitized solar cells. <i>Materials Chemistry and Physics</i> , 2005 , 93, 35-40	4.4	265
333	Synthesis of CuO-ZnO nanophotocatalyst for visible light assisted degradation of a textile dye in aqueous solution. <i>Chemical Engineering Journal</i> , 2011 , 171, 136-140	14.7	209
332	Sol-gel synthesis of mesoporous mixed Fe ₂ O ₃ /TiO ₂ photocatalyst: application for degradation of 4-chlorophenol. <i>Journal of Hazardous Materials</i> , 2013 , 252-253, 233-42	12.8	199
331	Microbial synthesis of silver nanoparticles by Bacillus sp.. <i>Journal of Nanoparticle Research</i> , 2009 , 11, 1811-1815	2.3	198
330	Photocatalytic activities of the nano-sized TiO ₂ -supported Y-zeolites. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2003 , 4, 5-18	16.4	184
329	Sonochemical Synthesis of Au@Ag CoreShell Bimetallic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15102-15105	3.8	149
328	Binding of serum albumins with bioactive substances [Nanoparticles to drugs. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2013 , 14, 53-71	16.4	148
327	Effect of loaded silver nanoparticles on TiO ₂ for photocatalytic degradation of Acid Red 88. <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 929-937	6.4	133
326	Fine route for an efficient removal of 2,4-dichlorophenoxyacetic acid (2,4-D) by zeolite-supported TiO ₂ . <i>Chemosphere</i> , 2006 , 63, 1014-21	8.4	125
325	Sonochemical synthesis of CuO nanostructures with different morphology. <i>Ultrasonics Sonochemistry</i> , 2012 , 19, 682-6	8.9	121
324	Removal of Orange II Dye in Water by Visible Light Assisted Photocatalytic Ozonation Using Bi ₂ O ₃ and Au/Bi ₂ O ₃ Nanorods. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 9729-9737	3.9	120
323	Dye sensitized hydrogen evolution from water. <i>International Journal of Hydrogen Energy</i> , 2001 , 26, 669-674	4.4	116
322	Hydrodynamic Cavitation as an Advanced Oxidation Technique for the Degradation of Acid Red 88 Dye. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 1981-1989	3.9	112
321	Ultrasound assisted photocatalytic degradation of diclofenac in an aqueous environment. <i>Chemosphere</i> , 2010 , 80, 747-52	8.4	109
320	CoFe ₂ O ₄ /TiO ₂ nanocatalysts for the photocatalytic degradation of Reactive Red 120 in aqueous solutions in the presence and absence of electron acceptors. <i>Chemical Engineering Journal</i> , 2013 , 220, 302-310	14.7	105
319	Performance of dye-sensitized solar cells fabricated with extracts from fruits of ivy gourd and flowers of red frangipani as sensitizers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 104, 35-40	4.4	103

318	Photocatalytic hydrogen evolution from water splitting using Cu doped ZnS microspheres under visible light irradiation. <i>Renewable Energy</i> , 2016 , 89, 18-26	8.1	100
317	High surface area Ag-TiO ₂ nanotubes for solar/visible-light photocatalytic degradation of ceftiofur sodium. <i>Journal of Hazardous Materials</i> , 2013 , 263 Pt 2, 541-9	12.8	99
316	Synthesis of Mn ₃ O ₄ nanoparticles via chemical precipitation approach for supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2015 , 636, 234-240	5.7	98
315	Review on the recent improvements in sonochemical and combined sonochemical oxidation processes [A powerful tool for destruction of environmental contaminants. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 55, 426-454	16.2	97
314	Photocatalytic degradation of Acid Red 88 using Au-TiO ₂ (2) nanoparticles in aqueous solutions. <i>Water Research</i> , 2008 , 42, 4878-84	12.5	94
313	Degradation of acid red 88 by the combination of sonolysis and photocatalysis. <i>Separation and Purification Technology</i> , 2010 , 74, 336-341	8.3	85
312	Sonophotocatalytic degradation of monocrotophos using TiO ₂ and Fe ³⁺ . <i>Journal of Hazardous Materials</i> , 2010 , 177, 944-9	12.8	83
311	Kinetic studies on visible light-assisted degradation of acid red 88 in presence of metal-ion coupled oxone reagent. <i>Applied Catalysis B: Environmental</i> , 2008 , 83, 8-14	21.8	81
310	Colorimetric and fluorescence sensing of fluoride anions with potential salicylaldehyde based schiff base receptors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 75, 1146-51	4.4	79
309	The interaction of sonochemically synthesized gold nanoparticles with serum albumins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 53, 804-10	3.5	78
308	Recent improvements and arising challenges in dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2007 , 91, 843-846	6.4	77
307	Effective degradation of acid orange 10 by catalytic ozonation in the presence of Au-Bi ₂ O ₃ nanoparticles. <i>Chemical Engineering Journal</i> , 2011 , 168, 1227-1233	14.7	72
306	Sonochemically synthesized MnO ₂ nanoparticles as electrode material for supercapacitors. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 1933-8	8.9	70
305	ZnO supported CoFe ₂ O ₄ nanophotocatalysts for the mineralization of Direct Blue 71 in aqueous environments. <i>Journal of Hazardous Materials</i> , 2013 , 252-253, 171-9	12.8	70
304	Ultrasound assisted synthesis of Mn ₃ O ₄ nanoparticles anchored graphene nanosheets for supercapacitor applications. <i>Electrochimica Acta</i> , 2015 , 156, 127-137	6.7	68
303	Sonochemical synthesis of Au-TiO ₂ nanoparticles for the sonophotocatalytic degradation of organic pollutants in aqueous environment. <i>Ultrasonics Sonochemistry</i> , 2009 , 16, 316-20	8.9	64
302	New D-BA type indole based chromogens for DSSC: Design, synthesis and performance studies. <i>Dyes and Pigments</i> , 2015 , 112, 183-191	4.6	62
301	Sonophotocatalytic treatment of Naphthol Blue Black dye and real textile wastewater using synthesized Fe doped TiO ₂ . <i>Chemical Engineering and Processing: Process Intensification</i> , 2016 , 99, 10-18	3.7	62

300	Synthesis of Fe ³⁺ doped TiO ₂ photocatalysts for the visible assisted degradation of an azo dye. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 375, 231-236	5.1	61
299	Betalain and anthocyanin dye-sensitized solar cells. <i>Journal of Applied Electrochemistry</i> , 2016 , 46, 929-941.6		60
298	Enhancing the Efficiency of DSSCs by the Modification of TiO ₂ Photoanodes using N, F and S, co-doped Graphene Quantum Dots. <i>Electrochimica Acta</i> , 2017 , 242, 337-343	6.7	59
297	A review on hybrid techniques for the degradation of organic pollutants in aqueous environment. <i>Ultrasonics Sonochemistry</i> , 2020 , 67, 105130	8.9	58
296	Photocatalytic degradation of ceftiofur sodium in the presence of gold nanoparticles loaded TiO ₂ under UV-visible light. <i>Chemical Engineering Journal</i> , 2014 , 241, 401-409	14.7	57
295	Sonochemical Synthesis of Hollow Copper Doped Zinc Sulfide Nanostructures: Optical and Catalytic Properties for Visible Light Assisted Photosplitting of Water. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8766-8772	3.9	55
294	Synthesis of D-(EA) ₂ organic chromophores for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2012 , 94, 503-511	4.6	55
293	Heteropolyacid-impregnated PVDF as a solid polymer electrolyte for dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2006 , 90, 1715-1720	6.4	54
292	Interaction of colloidal AgTiO ₂ nanoparticles with bovine serum albumin. <i>Polyhedron</i> , 2009 , 28, 157-161	2.7	53
291	Adsorption and photocatalytic properties of NiO nanoparticles synthesized via a thermal decomposition process. <i>Journal of Materials Research</i> , 2018 , 33, 601-610	2.5	51
290	Investigation on photocatalytic potential of Au@Ta ₂ O ₅ semiconductor nanoparticle by degrading Methyl Orange in aqueous solution by illuminating with visible light. <i>Catalysis Science and Technology</i> , 2012 , 2, 2502	5.5	50
289	Synthesis of TiO ₂ /WO ₃ nanoparticles via sonochemical approach for the photocatalytic degradation of methylene blue under visible light illumination. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 1964-8	8.9	49
288	Binding interaction between serum albumins and perylene-3,4,9,10-tetracarboxylate [A] spectroscopic investigation. <i>Dyes and Pigments</i> , 2012 , 94, 330-337	4.6	48
287	Hydrothermally regulating phase composition of TiO ₂ nanocrystals toward high photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2021 , 850, 156653	5.7	48
286	Magnetic and catalytic properties of inverse spinel CuFe ₂ O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 432, 437-443	2.8	45
285	Fabrication, characterization and catalytic activity of BiMnO ₂ nanowires for dye degradation of reactive black 5. <i>Materials Letters</i> , 2016 , 172, 85-89	3.3	45
284	Sonochemical Degradation of Rhodamine B Using Oxidants, Hydrogen Peroxide/Peroxydisulfate/Peroxymonosulfate, with Fe ²⁺ Ion: Proposed Pathway and Kinetics. <i>Environmental Engineering Science</i> , 2015 , 32, 129-140	2	44
283	Fabrication of dye sensitized solar cell using gel polymer electrolytes consisting poly(ethylene oxide)-acetamide composite. <i>Journal of Power Sources</i> , 2015 , 286, 346-353	8.9	43

282	Sonochemical synthesis of silver nanoparticles anchored reduced graphene oxide nanosheets for selective and sensitive detection of glutathione. <i>Ultrasonics Sonochemistry</i> , 2017 , 39, 363-373	8.9	42
281	Economical synthesis of silver nanoparticles using leaf extract of and its application in the detection of Mn(II) ions. <i>Journal of Advanced Research</i> , 2017 , 8, 561-568	13	42
280	Sonophotocatalytic (42 kHz) degradation of Simazine in the presence of Au@TiO ₂ nanocatalysts. <i>Applied Catalysis B: Environmental</i> , 2014 , 160-161, 692-700	21.8	41
279	Sonochemical Synthesis of Mg-TiO ₂ nanoparticles for persistent Congo red dye degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 346, 559-569	4.7	41
278	Simultaneous detection of dopamine and ascorbic acid using silicate network interlinked gold nanoparticles and multi-walled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2015 , 210, 731-741	8.5	41
277	Green grasses as light harvesters in dye sensitized solar cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 135, 947-52	4.4	40
276	Influence of Yttrium on optical, structural and photoluminescence properties of ZnO nanopowders by sol-gel method. <i>Optical Materials</i> , 2013 , 35, 2241-2249	3.3	40
275	Synthesis of bianchored metal free organic dyes for dye sensitized solar cells. <i>Dyes and Pigments</i> , 2013 , 97, 397-404	4.6	39
274	Interaction of colloidal TiO ₂ with human serum albumin: A fluorescence quenching study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 333, 91-95	5.1	38
273	Photocatalytic and photoelectrocatalytic performance of sonochemically synthesized CuO@TiO ₂ heterojunction nanocomposites. <i>Ultrasonics Sonochemistry</i> , 2019 , 51, 223-229	8.9	38
272	A simple approach for the sonochemical synthesis of FeO-guar gum nanocomposite and its catalytic reduction of p-nitroaniline. <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 1-10	8.9	37
271	Low frequency ultrasound (42 kHz) assisted degradation of Acid Blue 113 in the presence of visible light driven rare earth nanoclusters loaded TiO ₂ nanophotocatalysts. <i>Ultrasonics Sonochemistry</i> , 2014 , 21, 1675-81	8.9	37
270	N/Ti ³⁺ co-doping biphasic TiO ₂ /Bi ₂ WO ₆ heterojunctions: Hydrothermal fabrication and sonophotocatalytic degradation of organic pollutants. <i>Journal of Alloys and Compounds</i> , 2020 , 820, 153172	5.7	37
269	One-step hydrothermal synthesis of N/Ti co-doping multiphasic TiO ₂ /BiOBr heterojunctions towards enhanced sonocatalytic performance. <i>Ultrasonics Sonochemistry</i> , 2018 , 49, 69-78	8.9	36
268	Heteropolytungstic acid (H ₃ PW ₁₂ O ₄₀) encapsulated into the titanium-exchanged HY (TiHY) zeolite: a novel photocatalyst for photoreduction of methyl orange. <i>Journal of Molecular Catalysis A</i> , 2003 , 195, 201-208		36
267	Crumpled Cu ₂ O-g-C ₃ N ₄ nanosheets for hydrogen evolution catalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 527, 34-41	5.1	35
266	Emergent methods to synthesize and characterize semiconductor CuO nanoparticles with various morphologies: An overview. <i>Journal of Experimental Nanoscience</i> , 2007 , 2, 23-56	1.9	35
265	Photocatalytic effects of titania supported nanoporous MCM-41 on degradation of methyl orange in the presence of electron acceptors. <i>Dyes and Pigments</i> , 2008 , 76, 535-541	4.6	35

264	Peroxomonosulphate, an efficient oxidant for the photocatalysed degradation of a textile dye, acid red 88. <i>Solar Energy Materials and Solar Cells</i> , 2006 , 90, 1875-1887	6.4	35
263	Sonochemical Synthesis of Mesoporous NiTiO ₃ Ilmenite Nanorods for the Catalytic Degradation of Tergitol in Water. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 2983-2990	3.9	34
262	Cyanoviny substituted benzimidazole based (D _A) organic dyes for fabrication of dye sensitized solar cells. <i>Dyes and Pigments</i> , 2014 , 105, 223-231	4.6	34
261	Pyrrole based Schiff bases as colorimetric and fluorescent chemosensors for fluoride and hydroxide anions. <i>Journal of Fluorescence</i> , 2012 , 22, 155-62	2.4	34
260	Sonochemical synthesis of Bi ₂ CuO ₄ nanoparticles for catalytic degradation of nonylphenol ethoxylate. <i>Chemical Engineering Journal</i> , 2012 , 183, 46-52	14.7	34
259	Sonochemical synthesis of Cu ₂ O nanocubes for enhanced chemiluminescence applications. <i>Ultrasonics Sonochemistry</i> , 2016 , 29, 388-93	8.9	33
258	Phase-controlled synthesis of bismuth oxide polymorphs for photocatalytic applications. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1664-1673	7.8	33
257	Synthesis of ZnO and Au tethered ZnO pyramid-like microflower for photocatalytic degradation of orange II. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012 , 177, 190-196	3.1	33
256	High index surfaces of Au-nanocrystals supported on one-dimensional MoO ₃ -nanorod as a bi-functional electrocatalyst for ethanol oxidation and oxygen reduction. <i>Electrochimica Acta</i> , 2017 , 246, 75-88	6.7	32
255	Sonochemical synthesis of manganese (II) hydroxide for supercapacitor applications. <i>Materials Research Bulletin</i> , 2013 , 48, 3357-3361	5.1	32
254	Photoinduced electron transfer reactions between meso-tetrakis(4-sulfonatophenyl)porphyrin and colloidal metal-semiconductor nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 333, 175-181	5.1	32
253	Sonochemical synthesis of porous NiTiO nanorods for photocatalytic degradation of ceftiofur sodium. <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 342-350	8.9	31
252	Effect of Cross-Linking on the Performances of Starch-Based Biopolymer as Gel Electrolyte for Dye-Sensitized Solar Cell Applications. <i>Polymers</i> , 2017 , 9,	4.5	31
251	Sonochemical synthesis and characterization of gold-ruthenium bimetallic nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 356, 140-144	5.1	31
250	Synthesis of Fe-doped BiO nanocatalyst and its sonophotocatalytic activity on synthetic dye and real textile wastewater. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 20100-20110	5.1	29
249	Unravelling the effect of anchoring groups on the ground and excited state properties of pyrene using computational and spectroscopic methods. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 13332-43	3.6	29
248	MoS ₂ nanosheets based counter electrodes: An alternative for Pt-free dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2019 , 294, 134-141	6.7	29
247	SnO ₂ -decorated multiwalled carbon nanotubes and Vulcan carbon through a sonochemical approach for supercapacitor applications. <i>Ultrasonics Sonochemistry</i> , 2016 , 29, 205-12	8.9	28

246	High Response CO Sensor Based on a Polyaniline/SnO ₂ Nanocomposite. <i>Polymers</i> , 2019 , 11,	4.5	28
245	Surfactant Assisted Synthesis of Copper Oxide Nanoparticles for Photocatalytic Degradation of Methylene Blue in the Presence of Visible Light. <i>Energy and Environment Focus</i> , 2015 , 4, 250-255		28
244	Facile synthesis of copper oxide microflowers for nonenzymatic glucose sensor applications. <i>Materials Science in Semiconductor Processing</i> , 2018 , 82, 31-38	4.3	28
243	Photocatalytic properties of hierarchical CuO nanosheets synthesized by a solution phase method. <i>Journal of Environmental Sciences</i> , 2018 , 69, 115-124	6.4	28
242	Impact of acoustic cavitation on food emulsions. <i>Ultrasonics Sonochemistry</i> , 2016 , 30, 98-102	8.9	28
241	Sonochemical synthesis and characterization of turbostratic MnNi(OH) ₂ layered double hydroxide nanoparticles for supercapacitor applications. <i>RSC Advances</i> , 2014 , 4, 55519-55523	3.7	28
240	Effect of TiO ₂ /reduced graphene oxide composite thin film as a blocking layer on the efficiency of dye-sensitized solar cells. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 891-903	2.6	28
239	Enhanced photocurrent generation in bacteriorhodopsin based bio-sensitized solar cells using gel electrolyte. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016 , 162, 208-212	6.7	28
238	Synthesis of N-doped potassium tantalate perovskite material for environmental applications. <i>Journal of Solid State Chemistry</i> , 2018 , 258, 647-655	3.3	28
237	High-efficiency dye-sensitized solar cells fabricated using D-D- π (donor-donor/ π spacer-acceptor) architecture. <i>Solar Energy</i> , 2017 , 146, 150-160	6.8	27
236	Donor-acceptor substituted thiophene dyes for enhanced nonlinear optical limiting. <i>Optical Materials</i> , 2018 , 85, 18-25	3.3	27
235	Dynamics, flow motion and nanopore effect of molecules present in the MCM-41 nanopores: An overview. <i>Microporous and Mesoporous Materials</i> , 2005 , 87, 77-92	5.3	27
234	Hybrid SnO ₂ @Co ₃ O ₄ nanocubes prepared via a CoSn(OH) ₆ intermediate through a sonochemical route for energy storage applications. <i>RSC Advances</i> , 2016 , 6, 33361-33368	3.7	27
233	Thiourea incorporated poly(ethylene oxide) as transparent gel polymer electrolyte for dye sensitized solar cell applications. <i>Journal of Power Sources</i> , 2017 , 353, 245-253	8.9	26
232	Amphiphilic Triblock Copolymer guided Polyaniline embraced CNT nanohybrid with outcropping whiskers as an energy storage electrode. <i>Electrochimica Acta</i> , 2017 , 246, 737-747	6.7	26
231	Physicochemical characterization of black seed oil-milk emulsions through ultrasonication. <i>Ultrasonics Sonochemistry</i> , 2017 , 38, 766-771	8.9	26
230	Synthesis of Reduced Graphene Oxide Supported Flower-like Bismuth Subcarbonates Microsphere (Bi ₂ O ₂ CO ₃ -RGO) for Supercapacitor Application. <i>Electrochimica Acta</i> , 2017 , 244, 209-221	6.7	25
229	Simple and low-cost synthesis of CuO nanosheets for visible-light-driven photocatalytic degradation of textile dyes. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 2003-2010	6.8	25

228	Structure-property-correlation in laser surface alloyed AISI 304 stainless steel with WC+Ni+NiCr. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 536, 159-169	5.3	25
227	Silver nanoparticles embedded phosphomolybdate-polyaniline hybrid electrode for electrocatalytic reduction of H ₂ O ₂ . <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 153-160	2.6	25
226	Microwave assisted rapid synthesis of Bi ₂ O ₃ short nanorods. <i>Materials Letters</i> , 2009 , 63, 2387-2389	3.3	25
225	CuO-TiO ₂ Nanocatalyst for Photodegradation of Acid Red 88 in Aqueous Solution. <i>Science of Advanced Materials</i> , 2010 , 2, 51-57	2.3	25
224	A ball-milling synthesis of N-graphyne with controllable nitrogen doping sites for efficient electrocatalytic oxygen evolution and supercapacitors. <i>Dalton Transactions</i> , 2020 , 49, 10958-10969	4.3	25
223	Pyrene based D-πA architectures: synthesis, density functional theory, photophysics and electron transfer dynamics. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 3125-3135	3.6	24
222	Photocatalytic degradation of tartrazine dye using CuO straw-sheaf-like nanostructures. <i>Water Science and Technology</i> , 2017 , 75, 1421-1430	2.2	24
221	Impact of anchoring groups for improving the binding nature of organic dyes toward high efficient dye sensitized solar cells. <i>Solar Energy</i> , 2016 , 126, 22-31	6.8	24
220	Sonophotocatalytic degradation of Acid Blue 113 in the presence of rare earth nanoclusters loaded TiO ₂ nanophotocatalysts. <i>Separation and Purification Technology</i> , 2014 , 133, 407-414	8.3	24
219	One-step thermal synthesis of Ag-modified g-C ₃ N ₄ /N-doped TiO ₂ hybrids with enhanced visible-light photocatalytic activity. <i>Journal of Materials Science</i> , 2017 , 52, 1183-1193	4.3	24
218	One-Step Sonochemical Synthesis of Reduced Graphene Oxide/Pt/Sn Hybrid Materials and Their Electrochemical Properties. <i>Fuel Cells</i> , 2012 , 12, 956-962	2.9	24
217	Bridged anchoring metal-free dyes based on phenoxazine and triphenyl amine as donors for dye-sensitized solar cell applications. <i>RSC Advances</i> , 2013 , 3, 21535	3.7	23
216	Sonophotocatalytic treatment of Bismarck Brown G dye and real textile effluent using synthesized novel Fe(0)-doped TiO ₂ catalyst. <i>RSC Advances</i> , 2015 , 5, 10440-10451	3.7	22
215	Sonophotocatalytic mineralization of Norflurazon in aqueous environment. <i>Chemosphere</i> , 2016 , 146, 216-25	8.4	22
214	S-arylation of mercaptobenzimidazoles using Cu(I) catalysts—experimental and theoretical observations. <i>Tetrahedron Letters</i> , 2011 , 52, 3347-3352	2	22
213	In situ synthesis of MoO ₃ /Ag/TiO ₂ nanotube arrays for enhancement of visible-light photoelectrochemical performance. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 9348-9358	6.7	21
212	Ultrasmall Plasmonic Nanoparticles Decorated Hierarchical Mesoporous TiO as an Efficient Photocatalyst for Photocatalytic Degradation of Textile Dyes. <i>ACS Omega</i> , 2018 , 3, 9834-9845	3.9	21
211	Synthesis of morphology-controlled bismutite for selective applications. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 7768-79	3.6	20

210	Ultrasound-Assisted Synthesis of Hybrid Phosphomolybdate-Polybenzidine Containing Silver Nanoparticles for Electrocatalytic Detection of Chlorate, Bromate and Iodate Ions in Aqueous Solutions. <i>Electrocatalysis</i> , 2012 , 3, 22-29	2.7	20
209	Low- and High-Index Faceted Pd Nanocrystals Embedded in Various Oxygen-Deficient WO Nanostructures for Electrocatalytic Oxidation of Alcohol (EOA) and Carbon Monoxide (CO). <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 10028-10041	9.5	19
208	Sonochemical synthesis of CoSnO nanocubes for supercapacitor applications. <i>Ultrasonics Sonochemistry</i> , 2018 , 41, 435-440	8.9	19
207	Enhanced visible light photodegradation of water pollutants over N-, S-doped titanium dioxide and n-titanium dioxide in the presence of inorganic anions. <i>Journal of Saudi Chemical Society</i> , 2014 , 18, 155-163	4.3	19
206	One-pot synthesis of metal free organic dyes containing different acceptor moieties for fabrication of dye-sensitized solar cells. <i>Tetrahedron Letters</i> , 2013 , 54, 3132-3136	2	19
205	Simultaneous electrochemical determination of dopamine and epinephrine using gold nanocrystals capped with graphene quantum dots in a silica network. <i>Mikrochimica Acta</i> , 2019 , 186, 681	5.8	18
204	Structural and optical properties of Y, Cu co-doped ZnO nanoparticles by sol-gel method. <i>Superlattices and Microstructures</i> , 2014 , 74, 247-260	2.8	18
203	Catalytic degradation of a plasticizer, di-ethylhexyl phthalate, using $NxTiO_2$ nanoparticles synthesized via co-precipitation. <i>Chemical Engineering Journal</i> , 2013 , 231, 182-189	14.7	18
202	Spectral interaction between silica coated silver nanoparticles and serum albumins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 395, 38-45	5.1	18
201	New type of inorganic-organic hybrid (heteropolytungstic acid-polyepichlorohydrin) polymer electrolyte with TiO_2 nanofiller for solid state dye sensitized solar cells. <i>Current Applied Physics</i> , 2010 , 10, 1255-1260	2.6	18
200	Photocatalytic degradation of phenol over TiO_2 powder: The influence of peroxomonosulphate and peroxodisulphate on the reaction rate. <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 457-463	6.4	18
199	Photocatalytic degradation of Nile red using TiO_2 -cyclodextrin colloids. <i>Catalysis Communications</i> , 2004 , 5, 271-275	3.2	18
198	Heteropolyacid-encapsulated TiHY zeolite as an inorganic photosynthetic reaction center mimicking the plant systems. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003 , 160, 181-184	4.7	18
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