

## List of Publications by Citations

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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.

469  
papers

14,262  
citations

62  
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493  
ext. papers

16,525  
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
469	Zinc Oxide Nanostructures for NO Gas-Sensor Applications: A Review. <i>Nano-Micro Letters</i> , <b>2015</b> , 7, 97-120	9.5	480
468	Zinc oxide nanonail based chemical sensor for hydrazine detection. <i>Chemical Communications</i> , <b>2008</b> , 1665-8	5.8	401
467	Biomass-derived nitrogen-doped carbon quantum dots: highly selective fluorescent probe for detecting Fe ions and tetracyclines. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 539, 332-341	9.3	259
466	Perovskite Solar Cells: Influence of Hole Transporting Materials on Power Conversion Efficiency. <i>ChemSusChem</i> , <b>2016</b> , 9, 10-27	8.3	237
465	ZnO nanoparticles induced oxidative stress and apoptosis in HepG2 and MCF-7 cancer cells and their antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 117, 267-76	6	210
464	Green synthesis of CuO nanoparticles with leaf extract of <i>Calotropis gigantea</i> and its dye-sensitized solar cells applications. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 632, 321-325	5.7	202
463	ZnO nanosheet networks and hexagonal nanodiscs grown on silicon substrate: growth mechanism and structural and optical properties. <i>Nanotechnology</i> , <b>2006</b> , 17, 2174-2180	3.4	200
462	Highly effective Fe-doped TiO <sub>2</sub> nanoparticles photocatalysts for visible-light driven photocatalytic degradation of toxic organic compounds. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 450, 213-223	9.3	185
461	Highly-sensitive cholesterol biosensor based on well-crystallized flower-shaped ZnO nanostructures. <i>Talanta</i> , <b>2009</b> , 78, 284-9	6.2	157
460	Novel graphene/polyaniline nanocomposites and its photocatalytic activity toward the degradation of rose Bengal dye. <i>Chemical Engineering Journal</i> , <b>2012</b> , 210, 220-228	14.7	137
459	Influence of Sn doping on ZnO nanostructures from nanoparticles to spindle shape and their photoelectrochemical properties for dye sensitized solar cells. <i>Chemical Engineering Journal</i> , <b>2012</b> , 187, 351-356	14.7	137
458	Comprehensive investigation of CO <sub>2</sub> adsorption on MgAl <sub>2</sub> O <sub>3</sub> LDH-derived mixed metal oxides. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 12782	13	130
457	Novel preparation of anatase TiO <sub>2</sub> @reduced graphene oxide hybrids for high-performance dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 6635-42	9.5	126
456	ZnO nano-mushrooms for photocatalytic degradation of methyl orange. <i>Materials Letters</i> , <b>2013</b> , 97, 100-103	10.3	126
455	Sulfamic Acid-Doped Polyaniline Nanofibers Thin Film-Based Counter Electrode: Application in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 4760-4764	3.8	121
454	Controlled synthesis of various ZnO nanostructured materials by capping agents-assisted hydrothermal method for dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 7869-7874	6.7	121
453	Ce-doped ZnO nanoparticles for efficient photocatalytic degradation of direct red-23 dye. <i>Ceramics International</i> , <b>2015</b> , 41, 7773-7782	5.1	112

452	Facile synthesis and optical properties of Co <sub>3</sub> O <sub>4</sub> nanostructures by the microwave route. <i>Superlattices and Microstructures</i> , <b>2011</b> , 49, 416-421	2.8	110
451	CuO nanosheets as potential scaffolds for gas sensing applications. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 250, 24-31	8.5	108
450	Photocatalysis from UV/Vis to Near-Infrared Light: Towards Full Solar-Light Spectrum Activity. <i>ChemCatChem</i> , <b>2015</b> , 7, 559-573	5.2	108
449	An effective nanocomposite of polyaniline and ZnO: preparation, characterizations, and its photocatalytic activity. <i>Colloid and Polymer Science</i> , <b>2011</b> , 289, 415-421	2.4	108
448	Ultra-sensitive hydrazine chemical sensor based on high-aspect-ratio ZnO nanowires. <i>Talanta</i> , <b>2009</b> , 77, 1376-80	6.2	108
447	Ethanol chemi-sensor: Evaluation of structural, optical and sensing properties of CuO nanosheets. <i>Materials Letters</i> , <b>2011</b> , 65, 1400-1403	3.3	105
446	Chemical Sensing Applications of ZnO Nanomaterials. <i>Materials</i> , <b>2018</b> , 11,	3.5	97
445	Rapid photocatalytic degradation of crystal violet dye over ZnO flower nanomaterials. <i>Materials Letters</i> , <b>2013</b> , 96, 228-232	3.3	95
444	Photocatalytic degradation of Eriochrome Black T dye using well-crystalline anatase TiO <sub>2</sub> nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 581, 392-397	5.7	93
443	Large-scale synthesis of ZnO balls made of fluffy thin nanosheets by simple solution process: structural, optical and photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 363, 521-83	8.3	93
442	Synthesis, Characterization and Effect of pH Variation on Zinc Oxide Nanostructures. <i>Materials Transactions</i> , <b>2009</b> , 50, 2092-2097	1.3	91
441	Hydrazine chemical sensing by modified electrode based on in situ electrochemically synthesized polyaniline/graphene composite thin film. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 173, 177-183	8.5	90
440	Growth and properties of Ag-doped ZnO nanoflowers for highly sensitive phenyl hydrazine chemical sensor application. <i>Talanta</i> , <b>2012</b> , 93, 257-63	6.2	89
439	Ce-doped ZnO nanorods for the detection of hazardous chemical. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 173, 72-78	8.5	87
438	Well-crystalline porous ZnO-SnO <sub>2</sub> nanosheets: an effective visible-light driven photocatalyst and highly sensitive smart sensor material. <i>Talanta</i> , <b>2015</b> , 131, 490-8	6.2	84
437	Enhanced photoresponse under visible light in Pt ionized TiO <sub>2</sub> nanotube for the photocatalytic splitting of water. <i>Catalysis Communications</i> , <b>2008</b> , 10, 1-5	3.2	83
436	The visible light-driven photocatalytic degradation of Alizarin red S using Bi-doped TiO <sub>2</sub> nanoparticles. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 3127-3136	3.6	82
435	Ultra-high sensitive ammonia chemical sensor based on ZnO nanopencils. <i>Talanta</i> , <b>2012</b> , 89, 155-61	6.2	81

434	Vertically aligned ZnO nanorods on hot filament chemical vapor deposition grown graphene oxide thin film substrate: solar energy conversion. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4405-12	9.5	80
433	Water splitting on Rhodamine-B dye sensitized Co-doped TiO <sub>2</sub> catalyst under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 111-112, 397-401	21.8	80
432	Solvent-free graphene liquids: Promising candidates for lubricants without the base oil. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 542, 159-167	9.3	79
431	Growth of Comb-like ZnO Nanostructures for Dye-sensitized Solar Cells Applications. <i>Nanoscale Research Letters</i> , <b>2009</b> , 4, 1004-1008	5	78
430	A Review on Synthesis Processing, Chemical and Conduction Properties of Polyaniline and Its Nanocomposites. <i>Science of Advanced Materials</i> , <b>2010</b> , 2, 441-462	2.3	77
429	Synthesis, characterization and acetone gas sensing applications of Ag-doped ZnO nanoneedles. <i>Ceramics International</i> , <b>2017</b> , 43, 6765-6770	5.1	76
428	ZnO doped SnO <sub>2</sub> nanoparticles heterojunction photo-catalyst for environmental remediation. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 653, 327-333	5.7	75
427	Growth and properties of well-crystalline cerium oxide (CeO <sub>2</sub> ) nanoflakes for environmental and sensor applications. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 454, 61-8	9.3	75
426	NiCo <sub>2</sub> O <sub>4</sub> nanowire based flexible electrode materials for asymmetric supercapacitors. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 7399-7406	3.6	74
425	Tungsten oxide (WO <sub>3</sub> ) nanoparticles as scaffold for the fabrication of hydrazine chemical sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 196, 231-237	8.5	73
424	Photocatalytic degradation of Alizarin Red S using simply synthesized ZnO nanoparticles. <i>Materials Letters</i> , <b>2013</b> , 106, 385-389	3.3	73
423	Growth, properties and dye-sensitized solar cells applications of ZnO nanorods grown by low-temperature solution process. <i>Superlattices and Microstructures</i> , <b>2009</b> , 45, 529-534	2.8	73
422	Synthesis of CeO <sub>2</sub> /ZnO nanoellipsoids as potential scaffold for the efficient detection of 4-nitrophenol. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 202, 1044-1050	8.5	71
421	Advanced ZnO/graphene oxide nanohybrid and its photocatalytic Applications. <i>Materials Letters</i> , <b>2013</b> , 100, 261-265	3.3	71
420	Sonophotocatalytic degradation of methyl orange using ZnO nano-aggregates. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 629, 167-172	5.7	70
419	CeO <sub>2</sub> /ZnO hexagonal nanodisks: Efficient material for the degradation of direct blue 15 dye and its simulated dye bath effluent under solar light. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 620, 67-73	5.7	69
418	Fabrication and characterization of highly sensitive and selective sensors based on porous NiO nanodisks. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 259, 604-615	8.5	69
417	Highly sensitive hydrazine chemical sensor fabricated by modified electrode of vertically aligned zinc oxide nanorods. <i>Talanta</i> , <b>2012</b> , 100, 377-83	6.2	68

4 <sup>16</sup>	A highly sensitive ammonia chemical sensor based on $\beta$ -Fe <sub>2</sub> O <sub>3</sub> nanoellipsoids. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 425401	3	68
4 <sup>15</sup>	Recent Advances and Perspectives of Carbon-Based Nanostructures as Anode Materials for Li-ion Batteries. <i>Materials</i> , <b>2019</b> , 12,	3.5	67
4 <sup>14</sup>	TiO <sub>2</sub> quantum dots for the photocatalytic degradation of indigo carmine dye. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 650, 193-198	5.7	67
4 <sup>13</sup>	Green synthesis of Co <sub>3</sub> O <sub>4</sub> nanoparticles and their applications in thermal decomposition of ammonium perchlorate and dye-sensitized solar cells. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2015</b> , 193, 181-188	3.1	66
4 <sup>12</sup>	Enhanced photocatalytic degradation of harmful dye and phenyl hydrazine chemical sensing using ZnO nanourchins. <i>Chemical Engineering Journal</i> , <b>2015</b> , 262, 588-596	14.7	66
4 <sup>11</sup>	Hydrothermally grown ZnO nanoflowers for environmental remediation and clean energy applications. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 2407-2414	5.1	66
4 <sup>10</sup>	Photocatalytic degradation of the antibiotic levofloxacin using highly crystalline TiO <sub>2</sub> nanoparticles. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 3220-3226	3.6	65
4 <sup>09</sup>	Synthesis, characterization and application of sol-gel derived mesoporous TiO <sub>2</sub> nanoparticles for dye-sensitized solar cells. <i>Solar Energy</i> , <b>2010</b> , 84, 2195-2201	6.8	63
4 <sup>08</sup>	An Insight into Atmospheric Plasma Jet Modified ZnO Quantum Dots Thin Film for Flexible Perovskite Solar Cell: Optoelectronic Transient and Charge Trapping Studies. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 10379-10390	3.8	62
4 <sup>07</sup>	Architecture-controlled synthesis of M <sub>x</sub> O <sub>y</sub> (M = Ni, Fe, Cu) microfibrils from seaweed biomass for high-performance lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22708-22715	13	62
4 <sup>06</sup>	2D Sn-doped ZnO ultrathin nanosheet networks for enhanced acetone gas sensing application. <i>Ceramics International</i> , <b>2017</b> , 43, 2418-2423	5.1	62
4 <sup>05</sup>	MgO polyhedral nanocages and nanocrystals based glucose biosensor. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 1353-1357	5.1	62
4 <sup>04</sup>	Nanocomposites of poly(1-naphthylamine)/SiO <sub>2</sub> and poly(1-naphthylamine)/TiO <sub>2</sub> : Comparative photocatalytic activity evaluation towards methylene blue dye. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 103, 136-142	21.8	62
4 <sup>03</sup>	Highly sensitive p-nitrophenol chemical sensor based on crystalline $\beta$ -MnO <sub>2</sub> nanotubes. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 4420-4426	3.6	61
4 <sup>02</sup>	Visible-light-driven photocatalytic and chemical sensing properties of SnS <sub>2</sub> nanoflakes. <i>Talanta</i> , <b>2013</b> , 114, 183-90	6.2	61
4 <sup>01</sup>	Ag-doped ZnO nanoellipsoids: potential scaffold for photocatalytic and sensing applications. <i>Talanta</i> , <b>2015</b> , 137, 204-13	6.2	61
4 <sup>00</sup>	Layered double hydroxide/graphene oxide hybrid incorporated polysulfone substrate for thin-film nanocomposite forward osmosis membranes. <i>RSC Advances</i> , <b>2016</b> , 6, 56599-56609	3.7	60
399	Carbon nanotubes/polyethylene oxide composite electrolyte for solid-state dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 2418-2423	6.7	60

398	Zinc oxide nanostructure-based dye-sensitized solar cells. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 4743-4795	4.5	59
397	Effect of annealing temperature on the properties and photocatalytic efficiencies of ZnO nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 648, 46-52	5.7	59
396	Three-Dimensional Crumpled Graphene-Based Nanosheets with Ultrahigh NO Gas Sensibility. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 11819-11827	9.5	58
395	Graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) coated titanium oxide nanotube arrays with enhanced photo-electrochemical performance. <i>Dalton Transactions</i> , <b>2016</b> , 45, 12702-9	4.3	57
394	Statistical analysis of gold nanoparticle-induced oxidative stress and apoptosis in myoblast (C2C12) cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 123, 664-72	6	57
393	Effective NiCu NPs-doped carbon nanofibers as counter electrodes for dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2013</b> , 102, 142-148	6.7	57
392	Sno <sub>2</sub> quantum dots as novel platform for electrochemical sensing of cadmium. <i>Electrochimica Acta</i> , <b>2015</b> , 169, 97-102	6.7	56
391	Synthesis of polypropylene/Mg <sub>3</sub> AlX <sub>2</sub> (X = CO <sub>3</sub> <sup>2-</sup> , NO <sub>3</sub> <sup>-</sup> , Cl <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup> ) LDH nanocomposites using a solvent mixing method: thermal and melt rheological properties. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9928	13	55
390	Cobalt oxide nanocubes as electrode material for the performance evaluation of electrochemical supercapacitor. <i>Ceramics International</i> , <b>2018</b> , 44, 588-595	5.1	54
389	High performance of NiCo nanoparticles-doped carbon nanofibers as counter electrode for dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2015</b> , 160, 1-6	6.7	54
388	Enhanced visible light driven photocatalytic application of Ag <sub>2</sub> O decorated ZnO nanorods heterostructures. <i>Separation and Purification Technology</i> , <b>2017</b> , 183, 341-349	8.3	53
387	Fabrication and characterization of highly sensitive and selective arsenic sensor based on ultra-thin graphene oxide nanosheets. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 227, 29-34	8.5	53
386	Low-temperature synthesis of Fe <sub>2</sub> O <sub>3</sub> hexagonal nanoparticles for environmental remediation and smart sensor applications. <i>Talanta</i> , <b>2013</b> , 116, 1060-6	6.2	53
385	Sunlight-driven photocatalytic degradation of non-steroidal anti-inflammatory drug based on TiO <sub>2</sub> quantum dots. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 459, 257-263	9.3	52
384	Growth and characterization of nanospikes decorated ZnO sheets and their solar cell application. <i>Chemical Engineering Journal</i> , <b>2012</b> , 195-196, 307-313	14.7	52
383	Solar light driven photocatalytic degradation of levofloxacin using TiO <sub>2</sub> /carbon-dot nanocomposites. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 7445-7456	3.6	51
382	PdCo-doped carbon nanofibers with photoactivity as effective counter electrodes for DSSCs. <i>Chemical Engineering Journal</i> , <b>2012</b> , 211-212, 9-15	14.7	51
381	Structural and optical properties of CuO layered hexagonal discs synthesized by a low-temperature hydrothermal process. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 155405	3	51

380	Enhanced electrochemical activity of low temperature solution process synthesized Co <sub>3</sub> O <sub>4</sub> nanoparticles for pseudo-supercapacitors applications. <i>Ceramics International</i> , <b>2016</b> , 42, 1879-1885	5.1	50
379	Enhanced Photocatalytic Activity of B, N-Codoped TiO <sub>2</sub> by a New Molten Nitrate Process. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 839-849	1.3	50
378	Mimicking a Dog's Nose: Scrolling Graphene Nanosheets. <i>ACS Nano</i> , <b>2018</b> , 12, 2521-2530	16.7	49
377	Microwave assisted rapid growth of Mg(OH) <sub>2</sub> nanosheet networks for ethanol chemical sensor application. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 519, 4-8	5.7	49
376	ZnO nanorods based hydrazine sensors. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 4686-91	1.3	49
375	Formation of SiC nanowhiskers by carbothermic reduction of silica with activated carbon. <i>Materials Letters</i> , <b>2009</b> , 63, 174-176	3.3	48
374	Fabrication and growth mechanism of hexagonal zinc oxide nanorods via solution process. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 2967-2973	4.3	48
373	Two-dimensional ytterbium oxide nanodisks based biosensor for selective detection of urea. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 98, 254-260	11.8	47
372	Visible light driven photocatalytic degradation of fluoroquinolone levofloxacin drug using Ag <sub>2</sub> O/TiO <sub>2</sub> quantum dots: a mechanistic study and degradation pathway. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 12079-12090	3.6	47
371	High efficiency solid state dye sensitized solar cells with graphene-polyethylene oxide composite electrolytes. <i>Nanoscale</i> , <b>2013</b> , 5, 5403-11	7.7	47
370	Advances in Responsively Conductive Polymer Composites and Sensing Applications. <i>Polymer Reviews</i> , <b>2021</b> , 61, 157-193	14	47
369	Supercapacitors with ultrahigh energy density based on mesoporous carbon nanofibers: Enhanced double-layer electrochemical properties. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 653, 212-218	5.7	46
368	Supramolecularly Modified Graphene for Ultrafast Responsive and Highly Stable Humidity Sensor. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 28640-28647	3.8	46
367	High-Efficiency Electrode Based on Nitrogen-Doped TiO <sub>2</sub> Nanofibers for Dye-Sensitized Solar Cells. <i>Electrochimica Acta</i> , <b>2014</b> , 115, 493-498	6.7	46
366	Rapid Solar-Light Driven Superior Photocatalytic Degradation of Methylene Blue Using MoS <sub>2</sub> /ZnO Heterostructure Nanorods Photocatalyst. <i>Materials</i> , <b>2018</b> , 11,	3.5	46
365	Phytoconstituents assisted green synthesis of cerium oxide nanoparticles for thermal decomposition and dye remediation. <i>Materials Research Bulletin</i> , <b>2017</b> , 91, 98-107	5.1	45
364	Catalytic thermal decomposition of ammonium perchlorate and combustion of composite solid propellants over green synthesized CuO nanoparticles. <i>Thermochimica Acta</i> , <b>2015</b> , 614, 110-115	2.9	45
363	Fabrication of Highly Sensitive Non-Enzymatic Glucose Biosensor Based on ZnO Nanorods. <i>Science of Advanced Materials</i> , <b>2011</b> , 3, 901-906	2.3	45

362	Urea sensor based on tin oxide thin films prepared by modified plasma enhanced CVD. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 132, 265-271	8.5	45
361	NiO nanodisks: Highly efficient visible-light driven photocatalyst, potential scaffold for seed germination of <i>Vigna Radiata</i> and antibacterial properties. <i>Journal of Cleaner Production</i> , <b>2018</b> , 190, 563-576	10.3	44
360	Synthesis and characterization of novel poly(1-naphthylamine)/zinc oxide nanocomposites: Application in catalytic degradation of methylene blue dye. <i>Colloid and Polymer Science</i> , <b>2010</b> , 288, 1633-1638	2.4	44
359	Composite electrolyte of heteropolyacid (HPA) and polyethylene oxide (PEO) for solid-state dye-sensitized solar cell. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 6623-6628	6.7	44
358	Zinc oxide nanocones as potential scaffold for the fabrication of ultra-high sensitive hydrazine chemical sensor. <i>Ceramics International</i> , <b>2015</b> , 41, 3101-3108	5.1	43
357	Azadirachta indica plant-assisted green synthesis of Mn <sub>3</sub> O <sub>4</sub> nanoparticles: Excellent thermal catalytic performance and chemical sensing behavior. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 472, 220-8	9.3	43
356	Hierarchical Fe <sub>3</sub> O <sub>4</sub> Core-shell Layered Double Hydroxide Composites as Magnetic Adsorbents for Anionic Dye Removal from Wastewater. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 4182-4191	2.3	43
355	Cross-linking of dialdehyde carboxymethyl cellulose with silk sericin to reinforce sericin film for potential biomedical application. <i>Carbohydrate Polymers</i> , <b>2019</b> , 212, 403-411	10.3	42
354	Zinc oxide quantum dots: multifunctional candidates for arresting C2C12 cancer cells and their role towards caspase 3 and 7 genes. <i>RSC Advances</i> , <b>2016</b> , 6, 26111-26120	3.7	41
353	Ultra-sensitive ethanol sensor based on rapidly synthesized Mg(OH) <sub>2</sub> hexagonal nanodisks. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 166-167, 97-102	8.5	41
352	High-efficiency dye-sensitized solar cells based on nitrogen and graphene oxide co-incorporated TiO <sub>2</sub> nanofibers photoelectrode. <i>Chemical Engineering Journal</i> , <b>2015</b> , 268, 153-161	14.7	41
351	Graphene application as a counter electrode material for dye-sensitized solar cell. <i>Materials Letters</i> , <b>2012</b> , 86, 96-99	3.3	41
350	CuO Nanocubes Based Highly-Sensitive 4-Nitrophenol Chemical Sensor. <i>Science of Advanced Materials</i> , <b>2012</b> , 4, 893-900	2.3	41
349	Biosynthesized NiO nanoparticles: Potential catalyst for ammonium perchlorate and composite solid propellants. <i>Ceramics International</i> , <b>2015</b> , 41, 1573-1578	5.1	40
348	Zinc Oxide Nanomaterials for Photocatalytic Degradation of Methyl Orange: A Review. <i>Nanoscience and Nanotechnology Letters</i> , <b>2014</b> , 6, 631-650	0.8	40
347	Low temperature solution processed Mn <sub>3</sub> O <sub>4</sub> nanoparticles: Enhanced performance of electrochemical supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 694, 560-567	5.7	40
346	Synthesis and electrochemical impedance properties of CdS nanoparticles decorated polyaniline nanorods. <i>Chemical Engineering Journal</i> , <b>2012</b> , 181-182, 806-812	14.7	40
345	Development of Highly Sensitive and Selective Cholesterol Biosensor Based on Cholesterol Oxidase Co-Immobilized with Fe <sub>2</sub> O <sub>3</sub> Micro-Pine Shaped Hierarchical Structures. <i>Electrochimica Acta</i> , <b>2014</b> , 135, 396-403	6.7	39



344	Predominance of two dimensional (2D) Mn <sub>2</sub> O <sub>3</sub> nanowalls thin film for high performance electrochemical supercapacitors. <i>Chemical Engineering Journal</i> , <b>2017</b> , 330, 1240-1247	14.7	39
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339	Demonstrated photons to electron activity of S-doped TiO <sub>2</sub> nanofibers as photoanode in the DSSC. <i>Materials Letters</i> , <b>2018</b> , 225, 77-81	3.3	36
338	Polypropylene/Mg <sub>3</sub> Al <sub>2</sub> (OH) <sub>6</sub> Artrazine LDH nanocomposites with enhanced thermal stability, UV absorption, and rheological properties. <i>RSC Advances</i> , <b>2013</b> , 3, 26017	3.7	36
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336	Plasma-enhanced polymerized aniline/TiO <sub>2</sub> dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 487, 382-386	5.7	36
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334	ZnO nanocapsules for photocatalytic degradation of thionine. <i>Materials Letters</i> , <b>2012</b> , 81, 239-241	3.3	35
333	New counter electrode of hot filament chemical vapor deposited graphene thin film for dye sensitized solar cell. <i>Chemical Engineering Journal</i> , <b>2013</b> , 222, 464-471	14.7	35
332	Influence of seed layer treatment on low temperature grown ZnO nanotubes: Performances in dye sensitized solar cells. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 1111-1116	6.7	35
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