

Irma ChacÃ³n

List of Publications by Year in descending order

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Version: 2024-02-01

360
papers

15,159
citations

23567

58
h-index

38395

95
g-index

364
all docs

364
docs citations

364
times ranked

17910
citing authors

#	ARTICLE	IF	CITATIONS
1	Mycotoxins in food and feed: toxicity, preventive challenges, and advanced detection techniques for associated diseases. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 8489-8510.	10.3	33
2	Partners in crime: The Lewis Y antigen and fucosyltransferase IV in <i>Helicobacter pylori</i> -induced gastric cancer. , 2022, 232, 107994.		13
3	Nitridation-induced in situ coupling of Ni-Co4N particles in nitrogen-doped carbon nanosheets for hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2022, 428, 131888.	12.7	28
4	Hybridized 1Dâ€“2D MnMoO4â€“MXene nanocomposites as high-performing electrochemical sensing platform for the sensitive detection of dihydroxybenzene isomers in wastewater samples. <i>Journal of Hazardous Materials</i> , 2022, 421, 126775.	12.4	61
5	Co-metalâ€“organic framework derived CoSe2@MoSe2 coreâ€“shell structure on carbon cloth as an efficient bifunctional catalyst for overall water splitting. <i>Chemical Engineering Journal</i> , 2022, 429, 132379.	12.7	129
6	An aqueous high-performance hybrid supercapacitor with MXene and polyoxometalates electrodes. <i>Chemical Engineering Journal</i> , 2022, 427, 131854.	12.7	45
7	Iron oxide (Fe3O4)-laden titanium carbide (Ti3C2Tx) MXene stacks for the efficient sequestration of cationic dyes from aqueous solution. <i>Chemosphere</i> , 2022, 286, 131679.	8.2	40
8	Cellular antioxidant potential and inhibition of foodborne pathogens by a sesquiterpene ilimaquinone in cold stored ground chicken and under temperature-abuse condition. <i>Food Chemistry</i> , 2022, 373, 131392.	8.2	8
9	Advances in optical-sensing strategies for the on-site detection of pesticides in agricultural foods. <i>Trends in Food Science and Technology</i> , 2022, 119, 69-89.	15.1	144
10	Portable electrochemical sensing methodologies for on-site detection of pesticide residues in fruits and vegetables. <i>Coordination Chemistry Reviews</i> , 2022, 453, 214305.	18.8	212
11	Cooperative ligand fields enriched luminescence of AgGd(MoO4)2:Er3+/Yb3+@mSi coreâ€“shell upconversion nanoplates for optical thermometry and biomedical applications. <i>Applied Surface Science</i> , 2022, 579, 152166.	6.1	12
12	An Overview on Single-Cell Technology for Hepatocellular Carcinoma Diagnosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1402.	4.1	10
13	A durable high-energy implantable energy storage system with binder-free electrodes useable in body fluids. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4611-4620.	10.3	5
14	High-throughput formation and image-based analysis of basal-in mammary organoids in 384-well plates. <i>Scientific Reports</i> , 2022, 12, 317.	3.3	15
15	Rationalized crystal structure augmented highly efficient far-red-emitting double perovskite niobate phosphor for indoor plant growth LED applications. <i>Journal of Alloys and Compounds</i> , 2022, 903, 163881.	5.5	20
16	N-Acetyldopamine dimers from <i>Oxya chinensis sinuosa</i> attenuates lipopolysaccharides induced inflammation and inhibits cathepsin C activity. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 1177-1188.	4.1	3
17	Interactions between a biomedical thermoresponsive polymer and imidazolium-based ionic liquids: A comprehensive biophysical investigation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128619.	4.7	4
18	Fluorine Engineered Selfâ€“Supported Ultrathin 2D Nickel Hydroxide Nanosheets as Highly Robust and Stable Bifunctional Electrocatalysts for Oxygen Evolution and Urea Oxidation Reactions. <i>Small</i> , 2022, 18, e2103326.	10.0	37

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19	All Transition Metal Selenide Composed High-Energy Solid-State Hybrid Supercapacitor. <i>Small</i> , 2022, 18, e2200248.	10.0	49
20	Phosphate source induced rapid synthesis of urchin-like hydrated GdPO ₄ :Eu ³⁺ nanoparticles: Imaging and drug delivery in A549 cell line. <i>Ceramics International</i> , 2022, . .	4.8	2
21	Generation of multi-functional core-shell adsorbents: simultaneous adsorption of cesium, strontium and rhodamine B in aqueous solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 112, 201-209.	5.8	7
22	Tunnelling the structural insights between poly(N-isopropylacrylamide) and imidazolium sulfate ionic liquids. <i>Journal of Molecular Liquids</i> , 2022, 360, 119404.	4.9	4
23	Hierarchical layer to layer of ternary heterostructure: Nanograin nickel carbonate embedded layered NiMnO ₃ @GO@Co ₃ O ₄ composite array as a high-performance electrode for hybrid supercapacitors. <i>International Journal of Energy Research</i> , 2022, 46, 15066-15080.	4.5	3
24	Sowing kernels for food safety: Importance of rapid on-site detection of pesticide residues in agricultural foods. <i>Food Frontiers</i> , 2022, 3, 666-676.	7.4	29
25	Alginate Microencapsulation for Three-Dimensional In Vitro Cell Culture. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2864-2879.	5.2	41
26	Tuning the phase composition of 1D TiO ₂ by Fe/Sn co-doping strategy for enhanced visible-light-driven photocatalytic and photoelectrochemical performances. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156826.	5.5	27
27	All-redox solid-state supercapacitor with cobalt manganese oxide@bimetallic hydroxides and vanadium nitride@nitrogen-doped carbon electrodes. <i>Chemical Engineering Journal</i> , 2021, 405, 127029.	12.7	49
28	Sugiol, a diterpenoid: Therapeutic actions and molecular pathways involved. <i>Pharmacological Research</i> , 2021, 163, 105313.	7.1	19
29	Metal-organic framework-derived carbon@cobalt oxysulfide nanocage heterostructure electrode for efficient hybrid supercapacitors. <i>International Journal of Energy Research</i> , 2021, 45, 5988-6001.	4.5	7
30	Cobalt ferrite microspheres as a biocompatible anode for higher power generation in microbial fuel cells. <i>Journal of Power Sources</i> , 2021, 483, 229170.	7.8	38
31	Development of dumbbell-shaped La ₂ Si ₂ O ₇ :Eu ³⁺ nanocrystalline phosphors for solid-state lighting applications. <i>Ceramics International</i> , 2021, 47, 5812-5821.	4.8	8
32	Dual-functional micro-adsorbents: Application for simultaneous adsorption of cesium and strontium. <i>Chemosphere</i> , 2021, 263, 128266.	8.2	37
33	(α^*)-Tetrahydroberberrubine TM acetate accelerates antioxidant potential and inhibits food associated <i>Bacillus cereus</i> in rice. <i>Food Chemistry</i> , 2021, 339, 127902.	8.2	9
34	Triethanolamine borate as a surface stabilizing bifunctional additive for Ni-rich layered oxide cathode. <i>International Journal of Energy Research</i> , 2021, 45, 2138-2147.	4.5	11
35	Nanomaterials multifunctional behavior for enlightened cancer therapeutics. <i>Seminars in Cancer Biology</i> , 2021, 69, 178-189.	9.6	29
36	Engineered nanoparticles for imaging and drug delivery in colorectal cancer. <i>Seminars in Cancer Biology</i> , 2021, 69, 293-306.	9.6	60

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37	Horizons of nanotechnology applications in female specific cancers. <i>Seminars in Cancer Biology</i> , 2021, 69, 376-390.	9.6	24
38	<i>Metasequoia glyptostroboides</i> potentiates anticancer effect against cervical cancer via intrinsic apoptosis pathway. <i>Scientific Reports</i> , 2021, 11, 894.	3.3	4
39	Biological Stimuli-Induced Phase Transition of a Synthesized Block Copolymer: Preferential Interactions between PNIPAM- <i>b</i> -PNVCL and Heme Proteins. <i>Langmuir</i> , 2021, 37, 1682-1696.	3.5	20
40	Antioxidant and anti-aging potential of a peptide formulation (Gal ₂ â€Pep) conjugated with gallic acid. <i>RSC Advances</i> , 2021, 11, 29407-29415.	3.6	4
41	Bottomâ€p Approach for Designing Cobalt Tungstate Nanospheres through Sulfur Amendment for Highâ€Performance Hybrid Supercapacitors. <i>ChemSusChem</i> , 2021, 14, 1602-1611.	6.8	16
42	A facile method for the fabrication of hierarchically structured Ni ₂ CoS ₄ nanopetals on carbon nanofibers to enhance non-enzymatic glucose oxidation. <i>Mikrochimica Acta</i> , 2021, 188, 106.	5.0	8
43	Fabrication of Carbon Disulfide Added Colloidal Gold Colorimetric Sensor for the Rapid and On-Site Detection of Biogenic Amines. <i>Sensors</i> , 2021, 21, 1738.	3.8	12
44	Epitaxial Singleâ€Crystal Growth of Transition Metal Dichalcogenide Monolayers via the Atomic Sawtooth Au Surface. <i>Advanced Materials</i> , 2021, 33, e2006601.	21.0	55
45	Hierarchically designed 3D Cu ₃ N@Ni ₃ N porous nanorod arrays: An efficient and robust electrode for high-energy solid-state hybrid supercapacitors. <i>Applied Materials Today</i> , 2021, 22, 100951.	4.3	15
46	Pdâ€Cu nanospheres supported on Mo ₂ C for the electrochemical sensing of nitrites. <i>Journal of Hazardous Materials</i> , 2021, 408, 124914.	12.4	57
47	Targeting key transcriptional factor STAT3 in colorectal cancer. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 3219-3228.	3.1	22
48	Thick freeâ€standing electrode based on carbonâ€carbon nitride microspheres with large mesopores for highâ€energyâ€density lithiumâ€sulfur batteries. , 2021, 3, 410-423.		16
49	Reproductive toxic potential of phthalate compounds â€ State of art review. <i>Pharmacological Research</i> , 2021, 167, 105536.	7.1	65
50	Visual colorimetric detection of ammonia under gaseous and aqueous state: Approach on cesium lead bromide perovskite-loaded porous electrospun nanofibers. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 97, 515-522.	5.8	15
51	Substitutional Vanadium Sulfide Nanodispersed in MoS ₂ Film for Ptâ€Scalable Catalyst. <i>Advanced Science</i> , 2021, 8, e2003709.	11.2	19
52	Deep Learningâ€Assisted Quantification of Atomic Dopants and Defects in 2D Materials. <i>Advanced Science</i> , 2021, 8, e2101099.	11.2	29
53	Simple fabrication of hierarchical NiCoSe ₄ nanorods grown on carbon nanofibers as excellent electrocatalysts for tryptophan oxidation. <i>Carbon</i> , 2021, 178, 103-112.	10.3	9
54	Surface modified zinc ferrite as a carbon-alternative negative electrode for high-energy hybrid supercapacitor. <i>Ceramics International</i> , 2021, 47, 16333-16341.	4.8	7

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55	One-pot facile synthesis and electrochemical evaluation of selenium enriched cobalt selenide nanotube for supercapacitor application. <i>Ceramics International</i> , 2021, 47, 15293-15306.	4.8	41
56	Simple synthesis of a clew-like tungsten carbide nanocomposite decorated with gold nanoparticles for the ultrasensitive detection of tert-butylhydroquinone. <i>Food Chemistry</i> , 2021, 348, 128936.	8.2	12
57	Back Cover Image, Volume 3, Number 3, July 2021. , 2021, 3, ii.		0
58	Highly efficient and robust noble-metal free bifunctional water electrolysis catalyst achieved via complementary charge transfer. <i>Nature Communications</i> , 2021, 12, 4606.	12.8	119
59	Solution-free self-assembled growth of ordered tricopper phosphide for efficient and stable hybrid supercapacitor. <i>Energy Storage Materials</i> , 2021, 39, 194-202.	18.0	30
60	Desired warm white light emission from a highly photostable and single-component Gd ₂ TiO ₅ :Dy ³⁺ /Eu ³⁺ nanophosphors for indoor illuminations. <i>Journal of Alloys and Compounds</i> , 2021, 875, 160019.	5.5	11
61	Full-spectrum-responsive Bi ₂ S ₃ @CdS S-scheme heterostructure with intimated ultrathin RGO toward photocatalytic Cr(VI) reduction and H ₂ O ₂ production: Experimental and DFT studies. <i>Chemical Engineering Journal</i> , 2021, 419, 129530.	12.7	132
62	Amino-functionalized POSS nanocage-intercalated titanium carbide (Ti ₃ C ₂ T _x) MXene stacks for efficient cesium and strontium radionuclide sequestration. <i>Journal of Hazardous Materials</i> , 2021, 418, 126315.	12.4	34
63	Insights into cyclooxygenase-2 inhibition by isolated bioactive compounds 3-caffeoyl-4-dihydrocaffeoyl quinic acid and isorhamnetin 3-O- β -D-glucopyranoside from <i>Salicornia herbacea</i> . <i>Phytomedicine</i> , 2021, 90, 153638.	5.3	3
64	An ultrasensitive electrochemical sensing platform for rapid detection of rutin with a hybridized 2D-1D MXene-FeWO ₄ nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130202.	7.8	51
65	The anti-cancerous activity of adaptogenic herb <i>Astragalus membranaceus</i> . <i>Phytomedicine</i> , 2021, 91, 153698.	5.3	34
66	Colorimetric based on-site sensing strategies for the rapid detection of pesticides in agricultural foods: New horizons, perspectives, and challenges. <i>Coordination Chemistry Reviews</i> , 2021, 446, 214061.	18.8	159
67	Waste plastic for increasing softening point of pitch and specific surface area of activated carbon based on the petroleum residue. <i>Carbon Letters</i> , 2021, 31, 991-1000.	5.9	7
68	Lignin-derived carbon nanofibers-laminated redox-active mixed metal sulfides for high-energy rechargeable hybrid supercapacitors. <i>International Journal of Energy Research</i> , 2021, 45, 8018-8029.	4.5	14
69	Au@Zr-based metal-organic framework composite as an immunosensing platform for determination of hepatitis B virus surface antigen. <i>Mikrochimica Acta</i> , 2021, 188, 365.	5.0	11
70	A simple strategy for signal enhancement in lateral flow assays using superabsorbent polymers. <i>Mikrochimica Acta</i> , 2021, 188, 364.	5.0	1
71	Nickel Cobaltite: A Positive Electrode Material for Hybrid Supercapacitors. <i>ChemSusChem</i> , 2021, 14, 5384-5398.	6.8	17
72	Piezo-supercapacitors: A new paradigm of self-powered wellbeing and biomedical devices. <i>Nano Energy</i> , 2021, 90, 106607.	16.0	16

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73	Tweaking Behavior of Hydrogen Bond Donor in Choline Chloride-Based Deep Eutectic Solvents for Regulating the Phase Transition of Poly(<i>N</i> -vinylcaprolactam): A Sustainable Medium for an Early Hydrophobic Collapse. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14335-14344.	6.7	14
74	Facile synthesis of petal-like VS ₂ anchored onto graphene nanosheets for the rapid sensing of toxic pesticide in polluted water. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 113021.	6.0	7
75	2D-on-2D core-shell Co ₃ (PO ₄) ₂ stacked micropetals@Co ₂ Mo ₃ O ₈ nanosheets and binder-free 2D CNT@Ti ₃ C ₂ T _X MXene electrodes for high-energy solid-state flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26135-26148.	10.3	22
76	Supercapacitors operated at extremely low environmental temperatures. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26603-26627.	10.3	25
77	Two-Dimensional Materials for High-Energy Solid-State Asymmetric Pseudocapacitors with High Mass Loadings. <i>ChemSusChem</i> , 2020, 13, 1582-1592.	6.8	43
78	Folate-conjugated nanovehicles: Strategies for cancer therapy. <i>Materials Science and Engineering C</i> , 2020, 107, 110341.	7.3	64
79	Generation of cesium lead halide perovskite nanocrystals via a serially-integrated microreactor system: Sequential anion exchange reaction. <i>Chemical Engineering Journal</i> , 2020, 384, 123316.	12.7	17
80	Silver grass-derived activated carbon with coexisting micro-, meso- and macropores as excellent bioanodes for microbial colonization and power generation in sustainable microbial fuel cells. <i>Bioresource Technology</i> , 2020, 300, 122646.	9.6	44
81	An efficient far-red emitting Ba ₂ LaNbO ₆ :Mn ⁴⁺ nanophosphor for forensic latent fingerprint detection and horticulture lighting applications. <i>Ceramics International</i> , 2020, 46, 9802-9809.	4.8	42
82	Fabrication of CsPbBr ₃ Perovskite Quantum Dots/Cellulose-Based Colorimetric Sensor: Dual-Responsive On-Site Detection of Chloride and Iodide Ions. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 793-801.	3.7	35
83	Dendritic Nanostructured Waste Copper Wires for High-Energy Alkaline Battery. <i>Nano-Micro Letters</i> , 2020, 12, 1.	27.0	556
84	High-performance all-solid-state hybrid supercapacitors based on surface-embedded bimetallic oxide nanograins loaded onto carbon nanofiber and activated carbon. <i>Electrochimica Acta</i> , 2020, 332, 135494.	5.2	18
85	Pre-ouzo effect derived fergusonite gadolinium ortho-niobate mesoporous nanospheroids for multimodal bioimaging and photodynamic therapy. <i>Applied Surface Science</i> , 2020, 505, 144584.	6.1	12
86	Fluorescent immunoliposomal nanovesicles for rapid multi-well immuno-biosensing of histamine in fish samples. <i>Chemosphere</i> , 2020, 243, 125404.	8.2	17
87	Highly selective surface adsorption-induced efficient photodegradation of cationic dyes on hierarchical ZnO nanorod-decorated hydrolyzed PIM-1 nanofibrous webs. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 29-41.	9.4	17
88	Revisiting the plant growth-promoting rhizobacteria: lessons from the past and objectives for the future. <i>Archives of Microbiology</i> , 2020, 202, 665-676.	2.2	60
89	Why Does Dimethyl Carbonate Dissociate Li Salt Better Than Other Linear Carbonates? Critical Role of Polar Conformers. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10382-10387.	4.6	36
90	True Meaning of Pseudocapacitors and Their Performance Metrics: Asymmetric versus Hybrid Supercapacitors. <i>Small</i> , 2020, 16, e2002806.	10.0	405

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91	Folic acid-modified bovine serum albumin nanoparticles with doxorubicin and chlorin e6 for effective combinational chemo-photodynamic therapy. <i>Materials Science and Engineering C</i> , 2020, 117, 111343.	7.3	10
92	Bio-inspired construction of melanin-like polydopamine-coated CeO ₂ as a high-performance visible-light-driven photocatalyst for hydrogen production. <i>New Journal of Chemistry</i> , 2020, 44, 15223-15234.	2.8	13
93	Morin Hydrate Sensitizes Hepatoma Cells and Xenograft Tumor towards Cisplatin by Downregulating PARP-1-HMGB1 Mediated Autophagy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8253.	4.1	12
94	MXene: An emerging two-dimensional layered material for removal of radioactive pollutants. <i>Chemical Engineering Journal</i> , 2020, 397, 125428.	12.7	112
95	One-Dimensional NiSe@Se Hollow Nanotubular Architecture as a Binder-Free Cathode with Enhanced Redox Reactions for High-Performance Hybrid Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29302-29315.	8.0	22
96	Hierarchical NbS ₂ /MoS ₂ -Carbon Nanofiber Electrode for Highly Efficient and Stable Hydrogen Evolution Reaction at All Ranges of pH. <i>ACS Applied Energy Materials</i> , 2020, 3, 6717-6725.	5.1	28
97	Aptamer-Conjugated Polydiacetylene Colorimetric Paper Chip for the Detection of <i>Bacillus thuringiensis</i> Spores. <i>Sensors</i> , 2020, 20, 3124.	3.8	16
98	A radially controlled ZnS interlayer on ultra-long ZnO@Gd ₂ S ₃ core-shell nanorod arrays for promoting the visible photocatalytic degradation of antibiotics. <i>Nanoscale</i> , 2020, 12, 14047-14060.	5.6	11
99	Ultrathin rGO-wrapped free-standing bimetallic CoNi ₂ S ₄ -carbon nanofibers: an efficient and robust bifunctional electrocatalyst for water splitting. <i>Nanotechnology</i> , 2020, 31, 275402.	2.6	9
100	Controllable synthesis of bottlebrush-like ZnO nanowires decorated on carbon nanofibers as an efficient electrocatalyst for the highly sensitive detection of silymarin in biological samples. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128544.	7.8	16
101	Multifunctional N-P-doped carbon dots for regulation of apoptosis and autophagy in B16F10 melanoma cancer cells and <i>in vitro</i> imaging applications. <i>Theranostics</i> , 2020, 10, 7841-7856.	10.0	70
102	Antimicrobial potential of the food-grade additive carvacrol against uropathogenic <i>E. coli</i> based on membrane depolarization, reactive oxygen species generation, and molecular docking analysis. <i>Microbial Pathogenesis</i> , 2020, 142, 104046.	2.9	15
103	Hierarchical N-doped TiO ₂ @Bi ₂ WxMo _{1-x} O ₆ core-shell nanofibers for boosting visible-light-driven photocatalytic and photoelectrochemical activities. <i>Journal of Hazardous Materials</i> , 2020, 391, 122249.	12.4	44
104	Electroactive Ultra-Thin rGO-Enriched FeMoO ₄ Nanotubes and MnO ₂ Nanorods as Electrodes for High-Performance All-Solid-State Asymmetric Supercapacitors. <i>Nanomaterials</i> , 2020, 10, 289.	4.1	23
105	Potentiodynamic polarization assisted phosphorus-containing amorphous trimetal hydroxide nanofibers for highly efficient hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5721-5733.	10.3	38
106	Construction of 2D/2D/2D rGO/p-C ₃ N ₄ /Cu ₃ Mo ₂ O ₉ heterostructure as an efficient catalytic platform for cascade photo-degradation and photoelectrochemical activity. <i>Applied Surface Science</i> , 2020, 511, 145469.	6.1	41
107	Promotional Effect of Cu ₂ S@ZnS Nanograins as a Shell Layer on ZnO Nanorod Arrays for Boosting Visible Light Photocatalytic H ₂ Evolution. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3610-3620.	3.1	23
108	A simple strategy for the synthesis of flower-like textures of Au-ZnO anchored carbon nanocomposite towards the high-performance electrochemical sensing of sunset yellow. <i>Food Chemistry</i> , 2020, 323, 126848.	8.2	24

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109	Rosette-shaped graphitic carbon nitride acts as a peroxidase mimic in a wide pH range for fluorescence-based determination of glucose with glucose oxidase. <i>Mikrochimica Acta</i> , 2020, 187, 286.	5.0	20
110	Bioreceptor-free, sensitive and rapid electrochemical detection of patulin fungal toxin, using a reduced graphene oxide@SnO ₂ nanocomposite. <i>Materials Science and Engineering C</i> , 2020, 113, 110916.	7.3	48
111	Improved conductivity of flower-like MnWO ₄ on defect engineered graphitic carbon nitride as an efficient electrocatalyst for ultrasensitive sensing of chloramphenicol. <i>Journal of Hazardous Materials</i> , 2020, 399, 122868.	12.4	49
112	Silicon as the Anode Material for Multivalent-Ion Batteries: A First-Principles Dynamics Study. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55746-55755.	8.0	12
113	Antioxidant and antimicrobial efficacy of a biflavonoid, amentoflavone from <i>Nandina domestica</i> in vitro and in minced chicken meat and apple juice food models. <i>Food Chemistry</i> , 2019, 271, 239-247.	8.2	43
114	Efficient electron-mediated electrochemical biosensor of gold wire for the rapid detection of C-reactive protein: A predictive strategy for heart failure. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111549.	10.1	47
115	Toxicological evaluation of lotus, ginkgo, and garlic tailored fermented Korean soybean paste (Doenjang) for biogenic amines, aflatoxins, and microbial hazards. <i>Food and Chemical Toxicology</i> , 2019, 133, 110729.	3.6	7
116	Ni ₂ P ₂ O ₇ micro-sheets supported ultra-thin MnO ₂ nanoflakes: A promising positive electrode for stable solid-state hybrid supercapacitor. <i>Electrochimica Acta</i> , 2019, 319, 435-443.	5.2	31
117	Development of a Cuvette-Based LSPR Sensor Chip Using a Plasmonically Active Transparent Strip. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 299.	4.1	20
118	A Sustainable Graphene Aerogel Capable of the Adsorptive Elimination of Biogenic Amines and Bacteria from Soy Sauce and Highly Efficient Cell Proliferation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43949-43963.	8.0	55
119	Comment on "Atomistic Mechanisms of Mg Insertion Reactions in Group XIV Anodes for Mg-Ion Batteries". <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45365-45367.	8.0	4
120	Centrifugal Force-Driven Modular Micronozzle System: Generation of Engineered Alginate Microspheres. <i>Scientific Reports</i> , 2019, 9, 12776.	3.3	17
121	Cuvette-Type LSPR Sensor for Highly Sensitive Detection of Melamine in Infant Formulas. <i>Sensors</i> , 2019, 19, 3839.	3.8	26
122	Molecular Cooperative Assembly-Mediated Synthesis of Ultra-High-Performance Hard Carbon Anodes for Dual-Carbon Sodium Hybrid Capacitors. <i>ACS Nano</i> , 2019, 13, 11935-11946.	14.6	29
123	One-pot gamma ray-induced green synthesis of a Prussian blue-laden polyvinylpyrrolidone/reduced graphene oxide aerogel for the removal of hazardous pollutants. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1737-1748.	10.3	53
124	Microfluidic-based graphene field effect transistor for femtomolar detection of chlorpyrifos. <i>Scientific Reports</i> , 2019, 9, 276.	3.3	64
125	The recyclability of alginate hydrogel particles used as a palladium catalyst support. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 73, 306-315.	5.8	34
126	The facile and simple synthesis of poly(3,4-ethylenedioxythiophene) anchored reduced graphene oxide nanocomposite for biochemical analysis. <i>Analytica Chimica Acta</i> , 2019, 1077, 150-159.	5.4	15

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127	Ultrasound-assisted heterogeneous degradation of tetracycline over flower-like rGO/CdWO ₄ hierarchical structures as robust solar-light-responsive photocatalysts: Optimization, kinetics, and mechanism. <i>Applied Surface Science</i> , 2019, 489, 110-122.	6.1	52
128	Carvacrol inhibits cytochrome P450 and protects against binge alcohol-induced liver toxicity. <i>Food and Chemical Toxicology</i> , 2019, 131, 110582.	3.6	20
129	Nano-structured Nickel-Cobalt Hydroxide/Ni ₂ P ₂ O ₇ Assembly on Nickel Foam: An Outstanding Electrocatalyst for Alkaline Oxygen Evolution Reaction. <i>ChemCatChem</i> , 2019, 11, 4256-4261.	3.7	20
130	Quaternary CZTS nanoparticle decorated CeO ₂ as a noble metal free p-n heterojunction photocatalyst for efficient hydrogen evolution. <i>Catalysis Science and Technology</i> , 2019, 9, 3686-3696.	4.1	31
131	Invasive Fungal Infections and Their Epidemiology: Measures in the Clinical Scenario. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 436-444.	2.6	25
132	Shape-controlled assemblies of graphitic carbon nitride polymer for efficient sterilization therapies of water microbial contamination via 2D g-C ₃ N ₄ under visible light illumination. <i>Materials Science and Engineering C</i> , 2019, 104, 109846.	7.3	20
133	Molybdenum Nitride Nanocrystals Anchored on Phosphorus-Incorporated Carbon Fabric as a Negative Electrode for High-Performance Asymmetric Pseudocapacitor. <i>IScience</i> , 2019, 16, 50-62.	4.1	43
134	Carvacrol encapsulated nanocarrier/ nanoemulsion abrogates angiogenesis by downregulating COX-2, VEGF and CD31 in vitro and in vivo in a lung adenocarcinoma model. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 612-622.	5.0	24
135	Antraquinone-type inhibitor of α -glucosidase enhances glucose uptake by activating an insulin-like signaling pathway in C2C12 myotubes. <i>Food and Chemical Toxicology</i> , 2019, 129, 337-343.	3.6	6
136	Affinity Peptide-guided Plasmonic Biosensor for Detection of Noroviral Protein and Human Norovirus. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 318-325.	2.6	35
137	The effect of biogenic manufactured silver nanoparticles on human endothelial cells and zebrafish model. <i>Science of the Total Environment</i> , 2019, 679, 365-377.	8.0	44
138	A protamine-conjugated gold decorated graphene oxide composite as an electrochemical platform for heparin detection. <i>Bioelectrochemistry</i> , 2019, 128, 211-217.	4.6	12
139	Sustainable Graphene Aerogel as an Ecofriendly Cell Growth Promoter and Highly Efficient Adsorbent for Histamine from Red Wine. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18165-18177.	8.0	54
140	Generation of multifunctional encoded particles using a tetrapod microneedle injector. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 74, 164-171.	5.8	2
141	Garlic augments the functional and nutritional behavior of Doenjang, a traditional Korean fermented soybean paste. <i>Scientific Reports</i> , 2019, 9, 5436.	3.3	20
142	Controlled synthesis of hierarchical α -nickel molybdate with enhanced solar-light-responsive photocatalytic activity: A comprehensive study on the kinetics and effect of operational factors. <i>Ceramics International</i> , 2019, 45, 12041-12052.	4.8	23
143	Recent advances in molybdenum disulfide-based electrode materials for electroanalytical applications. <i>Mikrochimica Acta</i> , 2019, 186, 203.	5.0	46
144	A top-down chemical approach to tuning the morphology and plasmon resonance of spiky nanostars for enriched SERS-based chemical sensing. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 120-126.	7.8	30

#	ARTICLE	IF	CITATIONS
145	Folate-targeted immunotherapies: Passive and active strategies for cancer. Cytokine and Growth Factor Reviews, 2019, 45, 45-52.	7.2	31
146	Graphene oxide functionalized with chitosan based nanoparticles as a carrier of siRNA in regulating Bcl-2 expression on Saos-2 & MG-63 cancer cells and its inflammatory response on bone marrow derived cells from mice. Materials Science and Engineering C, 2019, 99, 1459-1468.	7.3	25
147	Multifunctional spiky branched gold-silver nanostars with near-infrared and short-wavelength infrared localized surface plasmon resonances. Journal of Colloid and Interface Science, 2019, 542, 308-316.	9.4	28
148	Streptavidin activated hydroxyl radicals enhanced photocatalytic and photoelectrochemical properties of membrane-bound like CaMoO ₄ :Eu ³⁺ hybrid structures. Journal of Materials Chemistry A, 2019, 7, 23105-23120.	10.3	19
149	Engineering Rhynchostylis retusa-like heterostructured β -nickel molybdate with enhanced redox properties for high-performance rechargeable asymmetric supercapacitors. Journal of Materials Chemistry A, 2019, 7, 26893-26904.	10.3	19
150	Electrochemical Sensors Based on Au-ZnS Hybrid Nanorods with Au-Mediated Efficient Electron Relay. ACS Sustainable Chemistry and Engineering, 2019, 7, 4094-4102.	6.7	17
151	Novel orange-emitting Ba ₂ LaNbO ₆ :Eu ³⁺ nanophosphors for NUV-based WLEDs and photocatalytic water purification. Ceramics International, 2019, 45, 4781-4789.	4.8	28
152	β -Radiolysis as a highly efficient green approach to the synthesis of metal nanoclusters: A review of mechanisms and applications. Chemical Engineering Journal, 2019, 360, 1390-1406.	12.7	33
153	Synthesis of AuAg@Ag core@shell hollow cubic nanostructures as SERS substrates for attomolar chemical sensing. Sensors and Actuators B: Chemical, 2019, 281, 471-477.	7.8	33
154	A smart nanosensor for the detection of human immunodeficiency virus and associated cardiovascular and arthritis diseases using functionalized graphene-based transistors. Biosensors and Bioelectronics, 2019, 126, 792-799.	10.1	112
155	Quaternary PtRuFeCo nanoparticles supported N-doped graphene as an efficient bifunctional electrocatalyst for low-temperature fuel cells. Journal of Industrial and Engineering Chemistry, 2019, 69, 285-294.	5.8	32
156	Electrochemical coupled immunosensing platform based on graphene oxide/gold nanocomposite for sensitive detection of Cronobacter sakazakii in powdered infant formula. Biosensors and Bioelectronics, 2018, 109, 139-149.	10.1	43
157	Detection of biogenic amines and microbial safety assessment of novel Meju fermented with addition of Nelumbo nucifera, Ginkgo biloba, and Allium sativum. Food and Chemical Toxicology, 2018, 119, 231-236.	3.6	7
158	Scalable Water-Based Production of Highly Conductive 2D Nanosheets with Ultrahigh Volumetric Capacitance and Rate Capability. Advanced Energy Materials, 2018, 8, 1800227.	19.5	26
159	Heteroassembled gold nanoparticles with sandwich-immunoassay LSPR chip format for rapid and sensitive detection of hepatitis B virus surface antigen (HBsAg). Biosensors and Bioelectronics, 2018, 107, 118-122.	10.1	91
160	Targeting autophagy in gastrointestinal malignancy by using nanomaterials as drug delivery systems. Cancer Letters, 2018, 419, 222-232.	7.2	22
161	Microfluidic generation of Prussian blue-laden magnetic micro-adsorbents for cesium removal. Chemical Engineering Journal, 2018, 341, 218-226.	12.7	30
162	A composite consisting of microporous carbon and cobalt(III) oxide and prepared from zeolitic imidazolate framework-67 for voltammetric determination of ascorbic acid. Mikrochimica Acta, 2018, 185, 116.	5.0	24

#	ARTICLE	IF	CITATIONS
163	TPAOH assisted size-tunable Gd ₂ O ₃ @mSi core-shell nanostructures for multifunctional biomedical applications. <i>Chemical Communications</i> , 2018, 54, 747-750.	4.1	21
164	The origin of excellent rate and cycle performance of Sn ₄ P ₃ binary electrodes for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1772-1779.	10.3	42
165	Fabrication of alginate/humic acid/Fe-aminoclay hydrogel composed of a grafted-network for the efficient removal of strontium ions from aqueous solution. <i>Environmental Technology and Innovation</i> , 2018, 9, 285-293.	6.1	27
166	Curcumin-Conjugated Gold Clusters for Bioimaging and Anticancer Applications. <i>Bioconjugate Chemistry</i> , 2018, 29, 363-370.	3.6	60
167	Gamma radiation mediated green technology for Pd nanoparticles recovery from wastewater. <i>Separation and Purification Technology</i> , 2018, 197, 220-227.	7.9	8
168	Structure and Dynamic Behavior of the Na-Crown Ether Complex in the Graphite Layers Studied by DFT and ¹ H NMR. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10963-10970.	3.1	12
169	Enhanced green upconversion luminescence properties of Er ³⁺ /Yb ³⁺ co-doped strontium gadolinium silicate oxyapatite phosphor. <i>Ceramics International</i> , 2018, 44, 13852-13857.	4.8	13
170	Visible-light-driven dynamic cancer therapy and imaging using graphitic carbon nitride nanoparticles. <i>Materials Science and Engineering C</i> , 2018, 90, 531-538.	7.3	20
171	Optical temperature sensing properties of Stokes fluorescence-based high color-purity green-emitting Sr ₂ Gd ₈ (SiO ₄) ₆ O ₂ :Er ³⁺ phosphors. <i>Journal of Alloys and Compounds</i> , 2018, 756, 82-92.	5.5	30
172	Cointercalation of Mg ²⁺ Ions into Graphite for Magnesium-Ion Batteries. <i>Chemistry of Materials</i> , 2018, 30, 3199-3203.	6.7	71
173	Two-Dimensional Phosphorene-Derived Protective Layers on a Lithium Metal Anode for Lithium-Oxygen Batteries. <i>ACS Nano</i> , 2018, 12, 4419-4430.	14.6	115
174	Porous 3D Prussian blue/cellulose aerogel as a decorporation agent for removal of ingested cesium from the gastrointestinal tract. <i>Scientific Reports</i> , 2018, 8, 4540.	3.3	30
175	Customized microfluidic reactor based on droplet formation for the synthesis of monodispersed silver nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 63, 405-410.	5.8	19
176	Rod-Like Structure of Cotton Cellulose/Polyvinyl Alcohol/Tellurium Dioxide (TeO ₂) Hybrid Nanocomposite and Antimicrobial Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 1131-1138.	1.9	3
177	Metal-organic framework derived nanoporous carbon/Co ₃ O ₄ composite electrode as a sensing platform for the determination of glucose and high-performance supercapacitor. <i>Carbon</i> , 2018, 127, 366-373.	10.3	76
178	Selection of affinity peptides for interference-free detection of cholera toxin. <i>Biosensors and Bioelectronics</i> , 2018, 99, 289-295.	10.1	28
179	Evolution of highly efficient rare-earth free Cs(1-x)Rb _x VO ₃ phosphors as a single emitting component for NUV-based white LEDs. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12746-12757.	5.5	44
180	2D Nanosheets: Hydraulic Power Manufacturing for Highly Scalable and Stable 2D Nanosheet Dispersions and Their Film Electrode Application (<i>Adv. Funct. Mater.</i> 43/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870307.	14.9	0

#	ARTICLE	IF	CITATIONS
181	Nanomaterials: Diagnosis and Therapeutic Properties. , 2018, , 235-241.		2
182	Understanding Dimerization Process of Cyclohexyl Benzene as an Overcharge Protection Agent in Lithium Ion Battery. Bulletin of the Korean Chemical Society, 2018, 39, 1227-1230.	1.9	4
183	Layer-Structured POSS-Modified Fe-Aminoclay/Carboxymethyl Cellulose Composite as a Superior Adsorbent for the Removal of Radioactive Cesium and Cationic Dyes. Industrial & Engineering Chemistry Research, 2018, 57, 13731-13741.	3.7	46
184	Threshold Rigidity Values for the Asbestos-like Pathogenicity of High-Aspect-Ratio Carbon Nanotubes in a Mouse Pleural Inflammation Model. ACS Nano, 2018, 12, 10867-10879.	14.6	20
185	Cylindrical core-shell tween 80 micelle templated green synthesis of gold-silver hollow cubic nanostructures as efficient nanocatalysts. Materials and Design, 2018, 160, 169-178.	7.0	16
186	Enabling redox chemistry with hierarchically designed bilayered nanoarchitectures for pouch-type hybrid supercapacitors: A sunlight-driven rechargeable energy storage system to portable electronics. Nano Energy, 2018, 50, 448-461.	16.0	75
187	Palladium Supported on an Amphiphilic Triazine-urea-Functionalized Porous Organic Polymer as a Highly Efficient Electrocatalyst for Electrochemical Sensing of Rutin in Human Plasma. ACS Applied Materials & Interfaces, 2018, 10, 19554-19563.	8.0	34
188	Shape-tunable Selective Synthesis of Bismuth Fluoride Nanostructures for Versatile Applications. Particle and Particle Systems Characterization, 2018, 35, 1800018.	2.3	8
189	Prospects of using nanotechnology for food preservation, safety, and security. Journal of Food and Drug Analysis, 2018, 26, 1201-1214.	1.9	300
190	Salt-templated three-dimensional porous carbon for electrochemical determination of gallic acid. Biosensors and Bioelectronics, 2018, 117, 597-604.	10.1	56
191	Hexagonal Co ₃ O ₄ anchored reduced graphene oxide sheets for high-performance supercapacitors and non-enzymatic glucose sensing. Journal of Materials Chemistry A, 2018, 6, 14367-14379.	10.3	118
192	Developments of Cyanobacteria for Nano-Marine Drugs: Relevance of Nanoformulations in Cancer Therapies. Marine Drugs, 2018, 16, 179.	4.6	54
193	Cytotoxic properties of the anthraquinone derivatives isolated from the roots of Rubia philippinensis. BMC Complementary and Alternative Medicine, 2018, 18, 200.	3.7	19
194	Probiotic Lactobacillus sakei proBio-65 Extract Ameliorates the Severity of Imiquimod Induced Psoriasis-Like Skin Inflammation in a Mouse Model. Frontiers in Microbiology, 2018, 9, 1021.	3.5	43
195	Supercapacitors: Scalable Water-Based Production of Highly Conductive 2D Nanosheets with Ultrahigh Volumetric Capacitance and Rate Capability (Adv. Energy Mater. 18/2018). Advanced Energy Materials, 2018, 8, 1870084.	19.5	0
196	Versatile Poly(Diallyl Dimethyl Ammonium Chloride)-Layered Nanocomposites for Removal of Cesium in Water Purification. Materials, 2018, 11, 998.	2.9	4
197	Fast Magnesium Ion Transport in the Bi/Mg ₃ Bi ₂ Two-Phase Electrode. Journal of Physical Chemistry C, 2018, 122, 17643-17649.	3.1	24
198	Optimization of sonophotocatalytic decolorization of Begazol Black B by loaded, double-sided nanophotocatalysts on porous substrate: A central composite design approach. Journal of the Taiwan Institute of Chemical Engineers, 2018, 93, 166-175.	5.3	24

#	ARTICLE	IF	CITATIONS
199	On-site detection of sub-mg/kg melamine mixed in powdered infant formula and chocolate using sharp-edged gold nanostar substrates. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 1017-1026.	2.3	7
200	Anisotropic Surface Modulation of Pt Catalysts for Highly Reversible Li ⁺ O ₂ Batteries: High Index Facet as a Critical Descriptor. <i>ACS Catalysis</i> , 2018, 8, 9006-9015.	11.2	68
201	Hydraulic Power Manufacturing for Highly Scalable and Stable 2D Nanosheet Dispersions and Their Film Electrode Application. <i>Advanced Functional Materials</i> , 2018, 28, 1802952.	14.9	24
202	One-Pot Synthesis of Magnesium Aminoclay-Titanium Dioxide Nanocomposites for Improved Photocatalytic Performance. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 6070-6074.	0.9	6
203	Nano-graphene oxide composite for in vivo imaging. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 221-234.	6.7	32
204	A Polysulfide-Infiltrated Carbon Cloth Cathode for High-Performance Flexible Lithium-Sulfur Batteries. <i>Nanomaterials</i> , 2018, 8, 90.	4.1	27
205	Antioxidant mechanism of polyphenol-rich <i>Nymphaea nouchali</i> leaf extract protecting DNA damage and attenuating oxidative stress-induced cell death via Nrf2-mediated heme-oxygenase-1 induction coupled with ERK/p38 signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2018, 103, 1397-1407.	5.6	23
206	Arsenic Removal of Filters by Heat Treated Mixtures of Yellow Loess and Sand in One-Dimensional Column for Real Groundwater Treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1316-1319.	0.9	0
207	Crab-Shell Biotemplated SnO ₂ Composite Anodes for Lithium-Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 6463-6468.	0.9	13
208	Attenuation of inflammatory responses by (+)-syringaresinol via MAP-Kinase-mediated suppression of NF- κ B signaling in vitro and in vivo. <i>Scientific Reports</i> , 2018, 8, 9216.	3.3	45
209	Rational design of forest-like nickel sulfide hierarchical architectures with ultrahigh areal capacity as a binder-free cathode material for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13178-13190.	10.3	82
210	Droplet-Based Microfluidic Reactor for Synthesis of Size-Controlled CdSe Quantum Dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1339-1342.	0.9	10
211	Light-extraction enhancement of white LEDs with different phases of TiO ₂ :0.01Eu ³⁺ spheres. <i>Current Applied Physics</i> , 2017, 17, 527-532.	2.4	13
212	PAMAM/5-fluorouracil drug conjugate for targeting E6 and E7 oncoproteins in cervical cancer: a combined experimental/in silico approach. <i>RSC Advances</i> , 2017, 7, 5046-5054.	3.6	13
213	A biocompatible implant electrode capable of operating in body fluids for energy storage devices. <i>Nano Energy</i> , 2017, 34, 86-92.	16.0	44
214	Pd nanospheres decorated reduced graphene oxide with multi-functions: Highly efficient catalytic reduction and ultrasensitive sensing of hazardous 4-nitrophenol pollutant. <i>Journal of Hazardous Materials</i> , 2017, 333, 54-62.	12.4	145
215	(BaSr) ₂ SiO ₄ :Eu ²⁺ nanorods with enhanced luminescence properties as green-emitting phosphors for white LED applications. <i>Dyes and Pigments</i> , 2017, 142, 447-456.	3.7	34
216	Computational screening of phosphite derivatives as high-performance additives in high-voltage Li-ion batteries. <i>RSC Advances</i> , 2017, 7, 20049-20056.	3.6	14

#	ARTICLE	IF	CITATIONS
217	Covalent Triazine Polymer@Fe ₃ O ₄ Nanocomposite for Strontium Ion Removal from Seawater. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4984-4992.	3.7	29
218	Magnesium Anode Pretreatment Using a Titanium Complex for Magnesium Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5733-5739.	6.7	22
219	Cesium-induced inhibition of bacterial growth of <i>Pseudomonas aeruginosa</i> PAO1 and their possible potential applications for bioremediation of wastewater. <i>Journal of Hazardous Materials</i> , 2017, 338, 323-333.	12.4	10
220	AgNWs-PANI nanocomposite based electrochemical sensor for detection of 4-nitrophenol. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 616-623.	7.8	135
221	Design and development of caffeic acid conjugated with Bombyx mori derived peptide biomaterials for anti-aging skin care applications. <i>RSC Advances</i> , 2017, 7, 30205-30213.	3.6	5
222	Evolution of CaGd ₂ ZnO ₅ :Eu ³⁺ nanostructures for rapid visualization of latent fingerprints. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4246-4256.	5.5	69
223	Two zinc-aminoclays™ in-vitro cytotoxicity assessment in HeLa cells and in-vivo embryotoxicity assay in zebrafish. <i>Ecotoxicology and Environmental Safety</i> , 2017, 137, 103-112.	6.0	25
224	A screen printed carbon electrode modified with an amino-functionalized metal organic framework of type MIL-101(Cr) and with palladium nanoparticles for voltammetric sensing of nitrite. <i>Mikrochimica Acta</i> , 2017, 184, 4793-4801.	5.0	38
225	Glassy carbon electrode modified with poly(methyl orange) as an electrochemical platform for the determination of 4-nitrophenol at nanomolar levels. <i>Current Applied Physics</i> , 2017, 17, 1114-1119.	2.4	31
226	Facile fabrication of paper-based analytical devices for rapid and highly selective colorimetric detection of cesium in environmental samples. <i>RSC Advances</i> , 2017, 7, 48374-48385.	3.6	16
227	Preparation of Eu ³⁺ ions activated Ca ₂ La ₈ (SiO ₄) ₆ O ₂ oxyapatite nanophosphors through two-step surfactant-free method and their optical and electrical properties. <i>Nanotechnology</i> , 2017, 28, 375601.	2.6	11
228	Red and green colors emitting spherical-shaped calcium molybdate nanophosphors for enhanced latent fingerprint detection. <i>Scientific Reports</i> , 2017, 7, 11571.	3.3	53
229	Tris(trimethylsilyl) Phosphite as an Efficient Electrolyte Additive To Improve the Surface Stability of Graphite Anodes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32851-32858.	8.0	52
230	Porous NH ₂ -MIL-125 as an efficient nano-platform for drug delivery, imaging, and ROS therapy utilized Low-Intensity Visible light exposure system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 1-10.	5.0	34
231	Surface Characterization of Porous Nanomaterials in Environmental Applications by Scanning Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2017, 23, 1384-1385.	0.4	0
232	Development of gold nanoparticle-aptamer-based LSPR sensing chips for the rapid detection of <i>Salmonella typhimurium</i> in pork meat. <i>Scientific Reports</i> , 2017, 7, 10130.	3.3	130
233	Designed construction of yolk-shell structured trimanganese tetraoxide nanospheres via polar solvent-assisted etching and biomass-derived activated porous carbon materials for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15808-15821.	10.3	57
234	Ternary PtRuFe nanoparticles supported N-doped graphene as an efficient bifunctional catalyst for methanol oxidation and oxygen reduction reactions. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 30738-30749.	7.1	40

#	ARTICLE	IF	CITATIONS
235	Square voltammetric sensing of mercury at very low working potential by using oligomer-functionalized Ag@Au core-shell nanoparticles. <i>Mikrochimica Acta</i> , 2017, 184, 3547-3556.	5.0	23
236	Current Demands for Food-Approved Liposome Nanoparticles in Food and Safety Sector. <i>Frontiers in Microbiology</i> , 2017, 8, 2398.	3.5	64
237	Self-Assembled/Oval-Shaped Iron Oxide Nanoparticles for Efficient Photo-Fenton Reaction at Neutral pH. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 7651-7655.	0.9	3
238	A Rapid In Situ Colorimetric Assay for Cobalt Detection by the Naked Eye. <i>Sensors</i> , 2016, 16, 626.	3.8	20
239	Development of Lateral Flow Assay Based on Size-Controlled Gold Nanoparticles for Detection of Hepatitis B Surface Antigen. <i>Sensors</i> , 2016, 16, 2154.	3.8	61
240	Reductive Decomposition Mechanism of Prop-1-ene-1,3-sultone in the Formation of a Solidâ€“Electrolyte Interphase on the Anode of a Lithium-Ion Battery. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28390-28397.	3.1	12
241	Synergistically strengthened 3D micro-scavenger cage adsorbent for selective removal of radioactive cesium. <i>Scientific Reports</i> , 2016, 6, 38384.	3.3	40
242	Porous Covalent Triazine Polymer as a Potential Nanocargo for Cancer Therapy and Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8947-8955.	8.0	87
243	Photoluminescence and cathodoluminescence properties of Sr ₂ Gd ₈ Si ₆ O ₂₆ :RE ³⁺ (RE ³⁺ =Tb ³⁺ or Sm ³⁺) phosphors. <i>Journal of Luminescence</i> , 2016, 178, 183-191.	3.1	17
244	Fabrication of Palladium Nanoparticles on Porous Aromatic Frameworks as a Sensing Platform to Detect Vanillin. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12740-12747.	8.0	57
245	Tunable emissions via the white region from Sr ₂ Gd ₈ (SiO ₄) ₆ O ₂ :RE ³⁺ (RE ³⁺ : Dy ³⁺ , Tm ³⁺ , Eu ³⁺) phosphors. <i>New Journal of Chemistry</i> , 2016, 40, 6214-6227.	2.8	24
246	Photoluminescence and electron-beam excitation induced cathodoluminescence properties of novel green-emitting Ba ₄ La ₆ O(SiO ₄) ₆ :Tb ³⁺ phosphors. <i>Ceramics International</i> , 2016, 42, 11099-11103.	4.8	10
247	Stereoselective Inhibitors Based on Nonpolar Hydrocarbons for Polar Organic Crystals. <i>Crystal Growth and Design</i> , 2016, 16, 6514-6521.	3.0	2
248	A joint experimental and theoretical determination of the structure of discharge products in Naâ€“SO ₂ batteries. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24841-24844.	2.8	5
249	Evaluation of the dose metric for acute lung inflammogenicity of fast-dissolving metal oxide nanoparticles. <i>Nanotoxicology</i> , 2016, 10, 1448-1457.	3.0	14
250	Electrochemical determination of quercetin based on porous aromatic frameworks supported Au nanoparticles. <i>Electrochimica Acta</i> , 2016, 216, 181-187.	5.2	38
251	Identification of genetically modified DNA found in Roundup Ready soybean using gold nanoparticles. <i>Mikrochimica Acta</i> , 2016, 183, 2649-2654.	5.0	14
252	Size effect of SO ₂ receptors on the energy efficiency of Naâ€“SO ₂ batteries: gallium-based inorganic electrolytes. <i>RSC Advances</i> , 2016, 6, 105105-105109.	3.6	4

#	ARTICLE	IF	CITATIONS
253	Sensing of picric acid with a glassy carbon electrode modified with CuS nanoparticles deposited on nitrogen-doped reduced graphene oxide. <i>Mikrochimica Acta</i> , 2016, 183, 2421-2430.	5.0	35
254	Recovery of Lithium Ions from Seawater Using a Continuous Flow Adsorption Column Packed with Granulated Chitosanâ€“Lithium Manganese Oxide. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 7218-7225.	3.7	58
255	Efficient harvesting of wet blue-green microalgal biomass by two-aminoclay [AC]-mixture systems. <i>Bioresource Technology</i> , 2016, 211, 313-318.	9.6	15
256	Flexible Few-Layered Graphene for the Ultrafast Rechargeable Aluminum-Ion Battery. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13384-13389.	3.1	164
257	Fabrication of 3D honeycomb-like porous polyurethane-functionalized reduced graphene oxide for detection of dopamine. <i>Biosensors and Bioelectronics</i> , 2016, 86, 122-128.	10.1	54
258	Adsorption of rare earth metals (Sr^{2+} and La^{3+}) from aqueous solution by Mg-aminoclayâ€“humic acid [MgACâ€“HA] complexes in batch mode. <i>RSC Advances</i> , 2016, 6, 1324-1332.	3.6	7
259	A highly facile and selective Chemo-Paper-Sensor (CPS) for detection of strontium. <i>Chemosphere</i> , 2016, 152, 39-46.	8.2	19
260	Atomic-Level Understanding toward a High-Capacity and High-Power Silicon Oxide (SiO) Material. <i>Journal of Physical Chemistry C</i> , 2016, 120, 886-892.	3.1	105
261	Direct electrochemistry of cytochrome c immobilized on titanium nitride/multi-walled carbon nanotube composite for amperometric nitrite biosensor. <i>Biosensors and Bioelectronics</i> , 2016, 79, 543-552.	10.1	100
262	Eu^{3+} ion concentration induced 3D luminescence properties of novel red-emitting $\text{Ba}_4\text{La}_6(\text{SiO}_4)_2\text{O}_{10}:\text{Eu}^{3+}$ oxyapatite phosphors for versatile applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1039-1050.	5.5	63
263	An enzyme-free electrochemical sensor based on reduced graphene oxide/Co ₃ O ₄ nanospindle composite for sensitive detection of nitrite. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 92-99.	7.8	154
264	Synthesis and characterizations of novel $\text{Sr}_2\text{Gd}_8(\text{SiO}_4)_6\text{O}_2:\text{Eu}^{3+}$ oxyapatite phosphors for solid-state lighting and display applications. <i>Journal of Alloys and Compounds</i> , 2016, 660, 437-445.	5.5	40
265	Hierarchical Niâ€“Co layered double hydroxide nanosheets entrapped on conductive textile fibers: a cost-effective and flexible electrode for high-performance pseudocapacitors. <i>Nanoscale</i> , 2016, 8, 812-825.	5.6	327
266	In-vitro cytotoxicity assessment of carbon-nanodot-conjugated Fe-aminoclay (CD-FeAC) and its bio-imaging applications. <i>Journal of Nanobiotechnology</i> , 2015, 13, 88.	9.1	13
267	Porous three-dimensional graphene foam/Prussian blue composite for efficient removal of radioactive ¹³⁷ Cs. <i>Scientific Reports</i> , 2015, 5, 17510.	3.3	109
268	A room-temperature sodium rechargeable battery using an SO ₂ -based nonflammable inorganic liquid catholyte. <i>Scientific Reports</i> , 2015, 5, 12827.	3.3	27
269	Immobilization of myoglobin on Au nanoparticle-decorated carbon nanotube/polytyramine composite as a mediator-free H ₂ O ₂ and nitrite biosensor. <i>Scientific Reports</i> , 2015, 5, 18390.	3.3	40
270	Luminescence properties of Dy ³⁺ ions activated novel warm white-light emitting CaGd ₂ ZnO ₅ nanophosphors. <i>Ceramics International</i> , 2015, 41, 11228-11233.	4.8	22

#	ARTICLE	IF	CITATIONS
271	Preparation of a reduced graphene oxide/poly- γ -glutathione nanocomposite for electrochemical detection of 4-aminophenol in orange juice samples. <i>Analytical Methods</i> , 2015, 7, 5627-5634.	2.7	30
272	High-performance supercapacitor based on three-dimensional MoS ₂ /graphene aerogel composites. <i>Composites Science and Technology</i> , 2015, 121, 123-128.	7.8	122
273	5V-class high-voltage batteries with over-lithiated oxide and a multi-functional additive. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6157-6167.	10.3	51
274	UV-A and UV-B excitation region broadened novel green color-emitting CaGd ₂ ZnO ₅ Tb ³⁺ nanophosphors. <i>RSC Advances</i> , 2015, 5, 22217-22223.	3.6	38
275	Novel rare-earth-free yellow Ca ₅ Zn _{3.92} In _{0.08} (VO _{0.99} Ta _{0.01} O ₄) ₆ phosphors for dazzling white light-emitting diodes. <i>Scientific Reports</i> , 2015, 5, 10296.	3.3	73
276	Solvent interface effect on the size and crystalline nature of the GdPO ₄ :Eu ³⁺ nanorods. <i>Materials Letters</i> , 2015, 156, 173-176.	2.6	15
277	Thermodynamic and Kinetic Origins of Lithiation-Induced Amorphous-to-Crystalline Phase Transition of Phosphorus. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12130-12137.	3.1	25
278	Multifunctional nanoparticles: recent progress in cancer therapeutics. <i>Chemical Communications</i> , 2015, 51, 13248-13259.	4.1	131
279	Important Role of Functional Groups for Sodium Ion Intercalation in Expanded Graphite. <i>Chemistry of Materials</i> , 2015, 27, 5402-5406.	6.7	79
280	Why is tris(trimethylsilyl) phosphite effective as an additive for high-voltage lithium-ion batteries?. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10900-10909.	10.3	112
281	Facile solvothermal synthesis of high refractive index ZrO ₂ spheres: estimation of the enhanced light extraction efficiency. <i>RSC Advances</i> , 2015, 5, 81915-81919.	3.6	9
282	La(OH) ₃ :Eu ³⁺ and La ₂ O ₃ :Eu ³⁺ nanorod bundles: growth mechanism and luminescence properties. <i>CrystEngComm</i> , 2015, 17, 9431-9442.	2.6	39
283	Selective silver ion adsorption onto mesoporous graphitic carbon nitride. <i>Carbon</i> , 2015, 95, 58-64.	10.3	36
284	Synthesis and luminescent properties of CaLa ₂ ZnO ₅ :Ln (Ln: Tm ³⁺ or Er ³⁺) phosphors. <i>Ceramics International</i> , 2015, 41, 13264-13270.	4.8	16
285	Surfactant-assisted hydrothermal synthesis of flower-like tin oxide/graphene composites for high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2015, 39, 8505-8512.	2.8	31
286	Three-Dimensional Expanded Graphene-Metal Oxide Film via Solid-State Microwave Irradiation for Aqueous Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22364-22371.	8.0	58
287	Pseudocapacitive slurry electrodes using redox-active quinone for high-performance flow capacitors: an atomic-level understanding of pore texture and capacitance enhancement. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23323-23332.	10.3	58
288	Highly efficient hydrogen production via water splitting using Pt@MWNT/TiO ₂ ternary hybrid composite as a catalyst under UV-visible light. <i>Synthetic Metals</i> , 2015, 199, 345-352.	3.9	36

#	ARTICLE	IF	CITATIONS
289	Versatile properties of CaGd ₂ ZnO ₅ :Eu ³⁺ nanophosphor: its compatibility for lighting and optical display applications. Dalton Transactions, 2015, 44, 1790-1799.	3.3	48
290	Removal of Radioactive Cesium Using Prussian Blue Magnetic Nanoparticles. Nanomaterials, 2014, 4, 894-901.	4.1	59
291	Hollow triple-shelled SiO ₂ /TiO ₂ /polypyrrole nanospheres for enhanced lithium storage capability. Chemical Engineering Journal, 2014, 237, 380-386.	12.7	23
292	Nanoscale zero-valent iron (nZVI) synthesis in a Mg-aminoclay solution exhibits increased stability and reactivity for reductive decontamination. Applied Catalysis B: Environmental, 2014, 147, 748-755.	20.2	63
293	Novel orange and reddish-orange color emitting BaGd ₂ O ₄ :Sm ³⁺ nanophosphors by solvothermal reaction for LED and FED applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 124, 383-388.	3.9	23
294	Aquatic ecotoxicity effect of engineered aminoclay nanoparticles. Ecotoxicology and Environmental Safety, 2014, 102, 34-41.	6.0	23
295	Aminoclay-templated nanoscale zero-valent iron (nZVI) synthesis for efficient harvesting of oleaginous microalga, Chlorella sp. KR-1. RSC Advances, 2014, 4, 4122-4127.	3.6	58
296	Concentration and penetration depth dependent tunable emissions from Eu ³⁺ co-doped SrY ₂ O ₄ :Dy ³⁺ nanocrystalline phosphor. New Journal of Chemistry, 2014, 38, 163-169.	2.8	77
297	Atom-Level Understanding of the Sodiation Process in Silicon Anode Material. Journal of Physical Chemistry Letters, 2014, 5, 1283-1288.	4.6	127
298	Fabrication of nano TiO ₂ @graphene composite: Reusable photocatalyst for hydrogen production, degradation of organic and inorganic pollutants. Synthetic Metals, 2014, 198, 10-18.	3.9	66
299	Highly ordered gold-nanotube films for flow-injection amperometric glucose biosensors. RSC Advances, 2014, 4, 40286.	3.6	8
300	Pump power induced tunable upconversion emissions from Er ³⁺ /Tm ³⁺ /Yb ³⁺ ions tri-doped SrY ₂ O ₄ nanocrystalline phosphors. New Journal of Chemistry, 2014, 38, 3413.	2.8	24
301	Pechini synthesis of lanthanide (Eu ³⁺ /Tb ³⁺ or Dy ³⁺) ions activated BaGd ₂ O ₄ nanostructured phosphors: an approach for tunable emissions. Physical Chemistry Chemical Physics, 2014, 16, 18124.	2.8	67
302	Ultra-low overpotential and high rate capability in Li-O ₂ batteries through surface atom arrangement of PdCu nanocatalysts. Energy and Environmental Science, 2014, 7, 1362.	30.8	193
303	Polyoxometalate-coupled Graphene via Polymeric Ionic Liquid Linker for Supercapacitors. Advanced Functional Materials, 2014, 24, 7301-7309.	14.9	107
304	Cross-relaxation induced tunable emissions from the Tm ³⁺ /Er ³⁺ /Eu ³⁺ ions activated BaGd ₂ O ₄ nanoneedles. Dalton Transactions, 2014, 43, 9766.	3.3	30
305	Virtual screening of borate derivatives as high-performance additives in lithium-ion batteries. Theoretical Chemistry Accounts, 2014, 133, 1.	1.4	14
306	Wound healing potential of antibacterial microneedles loaded with green tea extracts. Materials Science and Engineering C, 2014, 42, 757-762.	7.3	65

#	ARTICLE	IF	CITATIONS
307	Aminoclay-induced humic acid flocculation for efficient harvesting of oleaginous <i>Chlorella</i> sp.. <i>Bioresource Technology</i> , 2014, 153, 365-369.	9.6	28
308	Tunable emissions from Dy ³⁺ /Sm ³⁺ ions co-activated SrY ₂ O ₄ :Er ³⁺ nanocrystalline phosphors for LED and FED applications. <i>Journal of Alloys and Compounds</i> , 2014, 592, 157-163.	5.5	14
309	Synthesis and luminescent characteristics of yellow emitting GdSr ₂ AlO ₅ :Ce ³⁺ phosphor for blue light based white LED. <i>Ceramics International</i> , 2014, 40, 5693-5698.	4.8	43
310	Imaging and curcumin delivery in pancreatic cancer cell lines using PEGylated $\text{Gd}^{3+}(\text{MoO}_4)_3$ mesoporous particles. <i>Dalton Transactions</i> , 2014, 43, 3330-3338.	3.3	34
311	Highly photocatalytic performance of flexible 3 dimensional (3D) ZnO nanocomposite. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 83-89.	20.2	36
312	Photoluminescent carbon nanotags from harmful cyanobacteria for drug delivery and imaging in cancer cells. <i>Scientific Reports</i> , 2014, 4, 4665.	3.3	93
313	Improved reversibility in lithium-oxygen battery: Understanding elementary reactions and surface charge engineering of metal alloy catalyst. <i>Scientific Reports</i> , 2014, 4, 4225.	3.3	133
314	A Simple and Non-Invasive Method for Nuclear Transformation of Intact-walled <i>Chlamydomonas reinhardtii</i> . <i>PLoS ONE</i> , 2014, 9, e101018.	2.5	30
315	Facile template free synthesis of Gd ₂ (CO ₃) ₂ ·H ₂ O chrysanthemum-like nanoflowers and luminescence properties of corresponding Gd ₂ O ₃ :RE ³⁺ spheres. <i>Dalton Transactions</i> , 2013, 42, 11400.	3.3	52
316	Fluoropropane sultone as an SEI-forming additive that outperforms vinylene carbonate. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11975.	10.3	76
317	How Do Li Atoms Pass through the Al ₂ O ₃ Coating Layer during Lithiation in Li-ion Batteries?. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2681-2685.	4.6	166
318	Free-standing heterogeneous hybrid papers based on mesoporous MnO_2 particles and carbon nanotubes for lithium-ion battery anodes. <i>Journal of Power Sources</i> , 2013, 244, 747-751.	7.8	50
319	PEGylated $\text{Gd}^{3+}(\text{MoO}_4)_3$ Mesoporous Flowers: Synthesis, Characterization, and Biological Application. <i>Crystal Growth and Design</i> , 2013, 13, 4051-4058.	3.0	29
320	Oil extraction by aminoparticle-based H ₂ O ₂ activation via wet microalgae harvesting. <i>RSC Advances</i> , 2013, 3, 12802.	3.6	51
321	Synthesis and luminescent properties of novel red-emitting CaGd ₄ O ₇ : Eu ³⁺ nanocrystalline phosphors. <i>Journal of Alloys and Compounds</i> , 2013, 553, 291-298.	5.5	54
322	White light emission from Eu ³⁺ co-activated Ca ₂ Gd ₈ Si ₆ O ₂₆ :Dy ³⁺ nanophosphors by solvothermal synthesis. <i>Ceramics International</i> , 2013, 39, 6319-6324.	4.8	46
323	Solvothermal synthesis and luminescent properties of Y ₂ Ti ₂ O ₇ :Eu ³⁺ spheres. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 224-227.	2.4	19
324	Facile solvothermal synthesis and polarity based tunable morphologies of ZnO nanocrystals. <i>Ceramics International</i> , 2013, 39, 6599-6606.	4.8	9

#	ARTICLE	IF	CITATIONS
325	Solvothermal synthesis and luminescence properties of the novel aluminum garnet phosphors for WLED applications. <i>Current Applied Physics</i> , 2013, 13, 441-447.	2.4	9
326	Light-extraction enhancement and directional emission control of GaN-based LEDs by self-assembled monolayer of silica spheres. <i>Optics Express</i> , 2012, 20, 25058.	3.4	18
327	A novel strategy for controllable emissions from Eu ³⁺ or Sm ³⁺ ions co-doped SrY ₂ O ₄ :Tb ³⁺ phosphors. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11296.	2.8	142
328	Formation of Ca ₂ Gd ₈ (SiO ₄) ₆ O ₂ Nanorod Bundles Based on Crystal Splitting by Mixed Solvothermal and Hydrothermal Reaction Methods. <i>Crystal Growth and Design</i> , 2012, 12, 960-969.	3.0	45
329	A facile and efficient strategy for the preparation of stable CaMoO ₄ spherulites using ammonium molybdate as a molybdenum source and their excitation induced tunable luminescent properties for optical applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 15562.	6.7	97
330	3D heterostructured architectures of Co ₃ O ₄ nanoparticles deposited on porous graphene surfaces for high performance of lithium ion batteries. <i>Nanoscale</i> , 2012, 4, 5924.	5.6	182
331	Diffuse light scattering properties of nanocracked and porous MoO ₃ films self-formed by electrodeposition and thermal annealing. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2161-2166.	1.8	6
332	Photoluminescence and Cathodoluminescence Properties of Nanocrystalline Ca ₂ Gd ₈ Si ₆ O ₂₆ :Sm ³⁺ . <i>Journal of the American Ceramic Society</i> , 2012, 95, 238-242.	3.8	153
333	Ultrasound-assisted synthesis of Li-rich mesoporous LiMn ₂ O ₄ nanospheres for enhancing the electrochemical performance in Li-ion secondary batteries. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 627-631.	8.2	37
334	Facile Synthesis of Mesoporous TiO ₂ Spheres with Hollow Interiors. <i>Journal of the Electrochemical Society</i> , 2011, 159, P8-P13.	2.9	6
335	Excitation induced efficient luminescent properties of nanocrystalline Tb ³⁺ /Sm ³⁺ :Ca ₂ Gd ₈ Si ₆ O ₂₆ phosphors. <i>Journal of Materials Chemistry</i> , 2011, 21, 6136.	6.7	50
336	Gd ³⁺ Sensitization Effect on the Luminescence Properties of Tb ³⁺ Activated Calcium Gadolinium Oxyapatite Nanophosphors. <i>Journal of the Electrochemical Society</i> , 2011, 158, J20.	2.9	42
337	Blue and green emissions with high color purity from nanocrystalline Ca ₂ Gd ₈ Si ₆ O ₂₆ :Ln (Ln = Tm or Tj) phosphors. <i>Journal of Materials Chemistry</i> , 2011, 21, 10784-10791.	5.5	52
338	Enhancement of Red Emission in Aluminum Garnet Yellow Phosphors by Sb ³⁺ Substitution for the Octahedral Site. <i>Journal of the American Ceramic Society</i> , 2011, 94, 551-555.	3.8	14
339	Synthesis, structural and luminescent properties of Pr ³⁺ activated GdAlO ₃ phosphors by solvothermal reaction method. <i>Current Applied Physics</i> , 2011, 11, S292-S295.	2.4	28
340	Enhanced green emission from Tb ³⁺ :Bi ³⁺ co-doped GdAlO ₃ nanophosphors. <i>Materials Research Bulletin</i> , 2010, 45, 572-575.	5.2	41
341	Tunable luminescence and energy transfer process between Tb ³⁺ and Eu ³⁺ in YAG:Bi ³⁺ , Tb ³⁺ , Eu ³⁺ phosphors. <i>Solid State Sciences</i> , 2010, 12, 719-724.	3.2	38
342	Immobilization of genetically engineered fusion proteins on gold-decorated carbon nanotube hybrid films for the fabrication of biosensor platforms. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 453-458.	9.4	25

#	ARTICLE	IF	CITATIONS
343	Solvothermal synthesis and luminescence properties of Tb ³⁺ -doped gadolinium aluminum garnet. <i>Journal of Luminescence</i> , 2010, 130, 478-482.	3.1	51
344	The influence of sintering temperature on the photoluminescence properties of oxyapatite Eu ³⁺ :Ca ₂ Gd ₈ Si ₆ O ₂₆ nanophosphors. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 395-402.	7.8	91
345	Luminescence properties of Dy ³⁺ :GdAlO ₃ nanopowder phosphors. <i>Current Applied Physics</i> , 2009, 9, e92-e95.	2.4	69
346	Synthesis and luminescent properties of low concentration Dy ³⁺ :GAP nanophosphors. <i>Optical Materials</i> , 2009, 31, 1210-1214.	3.6	49
347	Sintering temperature effect on structural and luminescence properties of 10mol% Y substituted Gd ₃ Al ₅ O ₁₂ :Ce phosphors. <i>Optical Materials</i> , 2009, 32, 293-296.	3.6	36
348	Crystalline structure dependence of luminescent properties of Eu ³⁺ -activated Y ₂ O ₃ â€“Al ₂ O ₃ system phosphors. <i>Current Applied Physics</i> , 2009, 9, S217-S221.	2.4	32
349	Luminescent characteristics of CaTiO ₃ :Pr ³⁺ thin films prepared by pulsed laser deposition method with various substrates. <i>Applied Surface Science</i> , 2009, 255, 5062-5066.	6.1	18
350	Conduction mechanism and magnetic properties of (x)Ni _{0.8} Cu _{0.2} Fe ₂ O ₄ +(1âˆ“x)Ba _{0.8} Pb _{0.2} Ti _{0.8} Zr _{0.2} O ₃ multiferroics. <i>Journal of Alloys and Compounds</i> , 2009, 479, 807-811.	5.5	21
351	Synthesis and luminescent properties of Dy ³⁺ :GAG nanophosphors. <i>Journal of Alloys and Compounds</i> , 2009, 481, 730-734.	5.5	47
352	Structural and Luminescent Properties of Dy ³⁺ :YAP Nanophosphors. <i>Journal of the Korean Physical Society</i> , 2009, 54, 1470-1474.	0.7	2
353	Photoluminescence analysis of Sm ³⁺ and Dy ³⁺ doped PVA films. <i>Journal of Applied Polymer Science</i> , 2008, 107, 2480-2485.	2.6	9
354	Emission analysis of Sm ³⁺ and Dy ³⁺ :MgLaLiSi ₂ O ₇ powder phosphors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 601-605.	3.9	58
355	Emission analysis of Tb ³⁺ :MgAl ₂ O ₄ powder phosphor. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2066-2069.	4.0	48
356	Emission analysis of Eu ³⁺ :MgLaLiSi ₂ O ₇ powder phosphor. <i>Physica B: Condensed Matter</i> , 2008, 403, 619-623.	2.7	7
357	Emission analysis of Tb ³⁺ :MgLaLiSi ₂ O ₇ powder phosphor. <i>Materials Letters</i> , 2008, 62, 1259-1262.	2.6	37
358	Emission Spectra of Tb ³⁺ :PVA Polymer Films. <i>Spectroscopy Letters</i> , 2006, 39, 487-495.	1.0	8
359	Red emission from Eu ³⁺ : PVA polymer film. <i>Journal of Applied Polymer Science</i> , 2006, 102, 3273-3276.	2.6	19
360	All Redoxâ€“active 2D MXene and OD Phosphomolybdic Acid Nanoclustersâ€“Anchored Polypyrrole Nanotubes for Highâ€“Performance Aqueous Hybrid Supercapacitors. <i>Batteries and Supercaps</i> , 0, , .	4.7	1