

# Ruey-An Doong

## List of Publications by Year in descending order

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205  
papers

10,094  
citations

22099

59  
h-index

46693

89  
g-index

206  
all docs

206  
docs citations

206  
times ranked

12154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomedicines Targeting Glioma Stem Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2023, 15, 158-181.	4.0	13
2	Biodegradable polyhydroxybutyrate/cellulose/calcium carbonate bioplastic composites prepared by heat-assisted solution casting method. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51645.	1.3	12
3	Manganese ferrite decorated N-doped polyacrylonitrile-based carbon nanofiber for the enhanced capacitive deionization. <i>Electrochimica Acta</i> , 2022, 401, 139488.	2.6	12
4	BSA-stabilized manganese phosphate nanoflower with enhanced nanozyme activity for highly sensitive and rapid detection of glutathione. <i>Talanta</i> , 2022, 237, 122957.	2.9	25
5	Fabrication of visible-light-driven tubular F, P-codoped graphitic carbon nitride for enhanced photocatalytic degradation of tetracycline. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106905.	3.3	24
6	Comparative study on pilot-scale production of CuO-loaded activated biochar and hydrochar from oil-palm empty fruit bunches for high-performance symmetric supercapacitor application. <i>Journal of Electroanalytical Chemistry</i> , 2022, 905, 115970.	1.9	10
7	A Z-scheme NiCo <sub>2</sub> O <sub>4</sub> /S codoped 1D g-C <sub>3</sub> N <sub>4</sub> heterojunction for solar-light-sensitive photocatalytic degradation of antibiotics in aqueous solutions exemplified by tetracycline. <i>Environmental Science: Nano</i> , 2022, 9, 229-242.	2.2	20
8	Synthesis and control of the morphology of SnO <sub>2</sub> nanoparticles via various concentrations of <i>Tinospora cordifolia</i> stem extract and reduction methods. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103738.	2.3	21
9	N-Doped Graphene Quantum Dots/Titanium Dioxide Nanocomposites: A Study of ROS-Forming Mechanisms, Cytotoxicity and Photodynamic Therapy. <i>Biomedicines</i> , 2022, 10, 421.	1.4	10
10	Clay-Supported Metal Oxide Nanoparticles in Catalytic Advanced Oxidation Processes: A Review. <i>Nanomaterials</i> , 2022, 12, 825.	1.9	20
11	Assessing the effect of calcination on adsorption capability of Mg/Al layer double hydroxides (LDHs). <i>Materials Research Express</i> , 2022, 9, 035505.	0.8	2
12	Recyclable Catalyst of ZnO/SiO <sub>2</sub> Prepared from Salacca Leaves Ash for Sustainable Biodiesel Conversion. <i>South African Journal of Chemical Engineering</i> , 2022, 40, 134-143.	1.2	9
13	Manipulating the morphology of 3D flower-like CoMn <sub>2</sub> O <sub>4</sub> bimetallic catalyst for enhancing the activation of peroxymonosulfate toward the degradation of selected persistent pharmaceuticals in water. <i>Chemical Engineering Journal</i> , 2022, 436, 135244.	6.6	52
14	N-doping modified zeolitic imidazole Framework-67 (ZIF-67) for enhanced peroxymonosulfate activation to remove ciprofloxacin from aqueous solution. <i>Separation and Purification Technology</i> , 2022, 288, 120719.	3.9	32
15	Magnetically-separable photocatalyst of magnetic biochar from snake fruit peel for rhodamine B photooxidation. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 17, 100669.	1.7	3
16	Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanoflakes synthesized using biogenic silica from <i>Salacca zalacca</i> leaf ash and the mechanistic insight into adsorption and photocatalytic wet peroxidation of dye. <i>Green Processing and Synthesis</i> , 2022, 11, 345-360.	1.3	5
17	Recent Advances in Nanomaterial-based Optical Biosensors as Potential Point-of-Care Testing (PoCT) Probes in Carcinoembryonic Antigen Detection. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	10
18	Enhanced Photocatalytic Activity of Zn-Al Layered Double Hydroxides for Methyl Violet and Peat Water Photooxidation. <i>Nanomaterials</i> , 2022, 12, 1650.	1.9	4

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19	Flower-like nickel hydroxide@tea leaf-derived biochar composite for high-performance supercapacitor application. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 845-855.	5.0	43
20	Flower-like hierarchical Sn <sub>3</sub> O <sub>4</sub> /montmorillonite nanostructure for the enhanced microwave-induced degradation of rhodamine B. <i>Advanced Powder Technology</i> , 2022, 33, 103623.	2.0	5
21	Erbium-Doped GQD-Embedded Coffee-Ground-Derived Porous Biochar for Highly Efficient Asymmetric Supercapacitor. <i>Nanomaterials</i> , 2022, 12, 1939.	1.9	4
22	Ultrasensitive detection of breast cancer cells with a lectin-based electrochemical sensor using N-doped graphene quantum dots as the sensing probe. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132233.	4.0	20
23	Visible-light photocatalytic diclofenac removal by tunable vanadium pentoxide/boron-doped graphitic carbon nitride composite. <i>Chemical Engineering Journal</i> , 2021, 403, 126213.	6.6	65
24	CoO-3D ordered mesoporous carbon nitride (CoO@mpgCN) composite as peroxymonosulfate activator for the degradation of sulfamethoxazole in water. <i>Journal of Hazardous Materials</i> , 2021, 401, 123326.	6.5	51
25	Nitrogen and fluorine co-doped 3-dimensional reduced graphene oxide architectures as high-performance electrode material for capacitive deionization of copper ions. <i>Separation and Purification Technology</i> , 2021, 272, 117559.	3.9	23
26	Enhanced visible-light-driven photocatalytic degradation of acetaminophen over CeO <sub>2</sub> /I, K-codoped C <sub>3</sub> N <sub>4</sub> heterojunction with tunable properties in simulated water matrix. <i>Separation and Purification Technology</i> , 2021, 272, 117567.	3.9	23
27	Self-assembled chromogen-loaded polymeric cocoon for respiratory virus detection. <i>Nanoscale</i> , 2021, 13, 388-396.	2.8	27
28	Erbium-doped graphene quantum dots with up- and down-conversion luminescence for effective detection of ferric ions in water and human serum. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129056.	4.0	37
29	Highly efficient capacitive deionization of brackish water with manganese vanadate nanorod decorated reduced graphene oxide electrode. <i>Environmental Science: Nano</i> , 2021, 8, 2844-2854.	2.2	9
30	Immunomodulating effect of Polysaccharide Krestin from <i>Carolinus versicolor</i> grown in Indonesia against Rheumatoid arthritis in rat. <i>Research Journal of Pharmacy and Technology</i> , 2021, 14, 1360-1364.	0.2	0
31	Dual role of immunomodulation by crude polysaccharide from okra against carcinogenic liver injury in mice. <i>Heliyon</i> , 2021, 7, e06183.	1.4	11
32	Nanoflower-like composites of ZnO/SiO <sub>2</sub> synthesized using bamboo leaves ash as reusable photocatalyst. <i>Arabian Journal of Chemistry</i> , 2021, 14, 102973.	2.3	28
33	Visible light sensitized porous clay heterostructure photocatalyst of zinc-silica modified montmorillonite by using tris(2,2'-bipyridyl) dichlororuthenium. <i>Applied Clay Science</i> , 2021, 204, 106023.	2.6	10
34	Application of sulfur-doped graphene quantum dots@gold-carbon nanosphere for electrical pulse-induced impedimetric detection of glioma cells. <i>Biosensors and Bioelectronics</i> , 2021, 181, 113151.	5.3	30
35	Plasmon Nanocomposite-Enhanced Optical and Electrochemical Signals for Sensitive Virus Detection. <i>ACS Sensors</i> , 2021, 6, 2605-2612.	4.0	17
36	Self-Assembled Chromogenic Polymeric Nanoparticle-Laden Nanocarrier as a Signal Carrier for Derivative Binary Responsive Virus Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 36868-36879.	4.0	18

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37	Cargo encapsulated hepatitis E virus-like particles for anti-HEV antibody detection. <i>Biosensors and Bioelectronics</i> , 2021, 185, 113261.	5.3	8
38	A Review on Nanocellulose and Its Application in Supercapacitors. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100556.	1.7	16
39	Electrochemical immunosensor for ultra-sensitive detection of attomolar prostate specific antigen with sulfur-doped graphene quantum dot@gold nanostar as the probe. <i>Electrochimica Acta</i> , 2021, 389, 138700.	2.6	11
40	Biomass-derived cellulose nanofibrils membrane from rice straw as sustainable separator for high performance supercapacitor. <i>Industrial Crops and Products</i> , 2021, 170, 113694.	2.5	54
41	Indirect Z-scheme nitrogen-doped carbon dot decorated Bi <sub>2</sub> MoO <sub>6</sub> /g-C <sub>3</sub> N <sub>4</sub> photocatalyst for enhanced visible-light-driven degradation of ciprofloxacin. <i>Chemical Engineering Journal</i> , 2021, 422, 130103.	6.6	91
42	PEC water splitting using mats of calcined TiO <sub>2</sub> rutile nanorods photosensitized by a thin layer of Ni-benzene dicarboxylic acid MOF. <i>Electrochimica Acta</i> , 2021, 393, 139014.	2.6	14
43	Prospects of an engineered tumor-targeted nanotheranostic platform based on NIR-responsive upconversion nanoparticles. <i>Materials Advances</i> , 2021, 2, 7101-7117.	2.6	4
44	Water Photo-Electrooxidation Using Mats of TiO <sub>2</sub> Nanorods, Surface Sensitized by a Metal-Organic Framework of Nickel and 1,2-Benzene Dicarboxylic Acid. <i>Hydrogen</i> , 2021, 2, 58-75.	1.7	7
45	Flower-like SnO <sub>2</sub> Nanoparticle Biofabrication Using <i>Pometia pinnata</i> Leaf Extract and Study on Its Photocatalytic and Antibacterial Activities. <i>Nanomaterials</i> , 2021, 11, 3012.	1.9	12
46	Influencing Factors in the Synthesis of Photoactive Nanocomposites of ZnO/SiO <sub>2</sub> -Porous Heterostructures from Montmorillonite and the Study for Methyl Violet Photodegradation. <i>Nanomaterials</i> , 2021, 11, 3427.	1.9	8
47	Visible-light photodegradation of sulfamethoxazole (SMX) over Ag-P-codoped g-C <sub>3</sub> N <sub>4</sub> (Ag-P@UCN) photocatalyst in water. <i>Chemical Engineering Journal</i> , 2020, 384, 123383.	6.6	94
48	Nitrogen doped graphene quantum dot-decorated earth-abundant nanotubes for enhanced capacitive deionization. <i>Environmental Science: Nano</i> , 2020, 7, 228-237.	2.2	42
49	Ultrasensitive Detection of Tetracycline Using Boron and Nitrogen Co-Doped Graphene Quantum Dots from Natural Carbon Source as the Paper-Based Nanosensing Probe in Difference Matrices. <i>Nanomaterials</i> , 2020, 10, 1883.	1.9	23
50	Controlling distance, size and concentration of nanoconjugates for optimized LSPR based biosensors. <i>Biosensors and Bioelectronics</i> , 2020, 170, 112657.	5.3	34
51	Ultrasensitive Detection of the Hepatitis E Virus by Electrocatalytic Water Oxidation Using Pt-Co <sub>3</sub> O <sub>4</sub> Hollow Cages. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 50212-50221.	4.0	28
52	Hollow magnetic-fluorescent nanoparticles for dual-modality virus detection. <i>Biosensors and Bioelectronics</i> , 2020, 170, 112680.	5.3	34
53	3-Dimensional ordered reduced graphene oxide embedded with N-doped graphene quantum dots for high performance supercapacitors. <i>Electrochimica Acta</i> , 2020, 361, 137018.	2.6	24
54	Electrochemically capacitive deionization of copper (II) using 3D hierarchically reduced graphene oxide architectures. <i>Separation and Purification Technology</i> , 2020, 251, 117368.	3.9	26

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55	Boosting the energy storage performance of V <sub>2</sub> O <sub>5</sub> nanosheets by intercalating conductive graphene quantum dots. <i>Nanoscale</i> , 2020, 12, 16944-16955.	2.8	34
56	Coconut shell derived activated biochar-manganese dioxide nanocomposites for high performance capacitive deionization. <i>Desalination</i> , 2020, 492, 114602.	4.0	61
57	Functionalized Fe/Ni@g-C <sub>3</sub> N <sub>4</sub> nanostructures for enhanced trichloroethylene dechlorination and successive oxygen reduction reaction activity. <i>Environmental Science: Nano</i> , 2020, 7, 3469-3481.	2.2	9
58	Fe/Ni Bimetallic Organic Framework Deposited on TiO <sub>2</sub> Nanotube Array for Enhancing Higher and Stable Photoelectrochemical Activity of Oxygen Evolution Reaction. <i>Nanomaterials</i> , 2020, 10, 1688.	1.9	18
59	Few-Layered Phosphorene-Graphitic Carbon Nitride Nanoheterostructure as a Metal-Free Photocatalyst for Aerobic Oxidation of Benzyl Alcohol and Toluene. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13342-13351.	3.2	44
60	Fluorescent and electrochemical dual-mode detection of Chikungunya virus E1 protein using fluorophore-embedded and redox probe-encapsulated liposomes. <i>Mikrochimica Acta</i> , 2020, 187, 674.	2.5	22
61	Bipyridine- and Copper-Functionalized N-doped Carbon Dots for Fluorescence Turn Off-On Detection of Ciprofloxacin. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32247-32258.	4.0	110
62	One-pot biosynthesis of SnO <sub>2</sub> quantum dots mediated by Clitoria ternatea flower extract for photocatalytic degradation of rhodamine B. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103879.	3.3	40
63	A titanium dioxide/nitrogen-doped graphene quantum dot nanocomposite to mitigate cytotoxicity: synthesis, characterisation, and cell viability evaluation. <i>RSC Advances</i> , 2020, 10, 21795-21805.	1.7	36
64	Effect of Lauric Acid on the Thermal and Mechanical Properties of Polyhydroxybutyrate (PHB)/Starch Composite Biofilms. <i>International Journal of Polymer Science</i> , 2020, 2020, 1-11.	1.2	10
65	Dual modality sensor using liposome-based signal amplification technique for ultrasensitive norovirus detection. <i>Biosensors and Bioelectronics</i> , 2020, 157, 112169.	5.3	48
66	Synthesis and Study of the Photodynamic Activity of Titanium-based Nanocomposites on MDA-MB-231 Cells. , 2020, , .		0
67	Photocatalytic degradation of bisphenol A over a ZnFe <sub>2</sub> O <sub>4</sub> /TiO <sub>2</sub> nanocomposite under visible light. <i>Science of the Total Environment</i> , 2019, 646, 745-756.	3.9	182
68	Enhanced catalytic reduction of nitrophenols by sodium borohydride over highly recyclable Au@graphitic carbon nitride nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 337-347.	10.8	153
69	Simultaneous Recovery of Display Panel Waste Glass and Wastewater Boron by Chemical Oxo-precipitation with Fluidized-Bed Heterogeneous Crystallization. <i>ACS Omega</i> , 2019, 4, 14057-14066.	1.6	9
70	Sustainable fabrication of green luminescent sulfur-doped graphene quantum dots for rapid visual detection of hemoglobin. <i>Analytical Methods</i> , 2019, 11, 4421-4430.	1.3	23
71	Sulfur-doped graphene quantum dot-based paper sensor for highly sensitive and selective detection of 4-nitrophenol in contaminated water and wastewater. <i>RSC Advances</i> , 2019, 9, 26588-26597.	1.7	43
72	Comparison of a new mass-concentration, chain-reaction model with the population-balance model for early- and late-stage aggregation of shattered graphene oxide nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123862.	2.3	8

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73	Sustainable Desalination by 3:1 Reduced Graphene Oxide/Titanium Dioxide Nanotubes (rGO/TiONTs) Composite via Capacitive Deionization at Different Sodium Chloride Concentrations. <i>Nanomaterials</i> , 2019, 9, 1319.	1.9	8
74	Graphene Quantum Dots Decorated Gold-Polyaniline Nanowire for Impedimetric Detection of Carcinoembryonic Antigen. <i>Scientific Reports</i> , 2019, 9, 7214.	1.6	91
75	Sustainable valorization of mesoporous aluminosilicate composite from display panel glasses waste for adsorption of heavy metal ions. <i>Science of the Total Environment</i> , 2019, 673, 337-346.	3.9	23
76	Activation of persulfate by CoO nanoparticles loaded on 3D mesoporous carbon nitride (CoO@meso-CN) for the degradation of methylene blue (MB). <i>Science of the Total Environment</i> , 2019, 675, 531-541.	3.9	83
77	Insights into the rapid elimination of antibiotics from aqueous media by tunable C <sub>3</sub> N <sub>4</sub> photocatalysts: Effects of dopant amount, co-existing ions and reactive oxygen species. <i>Science of the Total Environment</i> , 2019, 669, 1053-1061.	3.9	32
78	Boron Doped Graphene Quantum Structure and MoS <sub>2</sub> Nanohybrid as Anode Materials for Highly Reversible Lithium Storage. <i>Frontiers in Chemistry</i> , 2019, 7, 116.	1.8	20
79	Microwave-assisted synthesis of SnO <sub>2</sub> /mesoporous carbon core-satellite microspheres as anode material for high-rate lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 775, 214-224.	2.8	21
80	Multifunctional QDs-Concanavalin A@Fe <sub>3</sub> O <sub>4</sub> nanocomposites for cancer cells detection and targeted drug delivery. <i>Analytica Chimica Acta</i> , 2018, 1027, 109-120.	2.6	59
81	One-Step Synthesis of Size-Tunable Gold@Sulfur-Doped Graphene Quantum Dot Nanocomposites for Highly Selective and Sensitive Detection of Nanomolar 4-Nitrophenol in Aqueous Solutions with Complex Matrix. <i>ACS Applied Nano Materials</i> , 2018, 1, 2153-2163.	2.4	50
82	Unveiling the hydrodechlorination of trichloroethylene by reduced graphene oxide supported bimetallic Fe/Ni nanoparticles. <i>Chemical Engineering Journal</i> , 2018, 334, 30-40.	6.6	46
83	Synthesis and characterization of Fe <sub>3</sub> O <sub>4</sub> /Polythiophene hybrid nanocomposites for electroanalytical application. <i>Materials Chemistry and Physics</i> , 2018, 205, 462-469.	2.0	18
84	N-Doped Graphene Quantum Dots-Decorated V <sub>2</sub> O <sub>5</sub> Nanosheet for Fluorescence Turn Off-On Detection of Cysteine. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 614-624.	4.0	117
85	The photocatalytic degradation of methylene blue by green semiconductor films that is induced by irradiation by a light-emitting diode and visible light. <i>Journal of the Air and Waste Management Association</i> , 2018, 68, 29-38.	0.9	10
86	Effect of Mesoporous Nanoparticles from LCD Glass Panels Waste toward Polypropylene Based Hybrid Composites. , 2018, , .		0
87	Cover Image, Volume 67, Issue 12. <i>Polymer International</i> , 2018, 67, i-i.	1.6	0
88	Synthesis of Reduced Graphene Oxide/Titanium Dioxide Nanotubes (rGO/TNT) Composites as an Electrical Double Layer Capacitor. <i>Nanomaterials</i> , 2018, 8, 934.	1.9	31
89	Femtomolar Detection of Dengue Virus DNA with Serotype Identification Ability. <i>Analytical Chemistry</i> , 2018, 90, 12464-12474.	3.2	54
90	Functionalized N-doped graphene quantum dots for electrochemical determination of cholesterol through host-guest inclusion. <i>Mikrochimica Acta</i> , 2018, 185, 526.	2.5	65

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91	Significance of Early and Late Stages of Coupled Aggregation and Sedimentation in the Fate of Nanoparticles: Measurement and Modeling. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8419-8428.	4.6	13
92	Aggregation and sedimentation of shattered graphene oxide nanoparticles in dynamic environments: a solid-body rotational approach. <i>Environmental Science: Nano</i> , 2018, 5, 1859-1872.	2.2	7
93	The biomimic oxidase activity of layered V <sub>2</sub> O <sub>5</sub> nanozyme for rapid and sensitive nanomolar detection of glutathione. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1179-1186.	4.0	86
94	Rapid removal of sulfamethoxazole from simulated water matrix by visible-light responsive iodine and potassium co-doped graphitic carbon nitride photocatalysts. <i>Chemosphere</i> , 2018, 210, 1099-1107.	4.2	31
95	Physicochemical properties of reduced graphite oxide conglomerated polyethylene nanocomposites. <i>Polymer International</i> , 2018, 67, 1638-1647.	1.6	3
96	Impedimetric biosensor for detection of cancer cells employing carbohydrate targeting ability of Concanavalin A. <i>Biosensors and Bioelectronics</i> , 2018, 122, 95-103.	5.3	35
97	Enhanced visible-light-responsive photodegradation of bisphenol A by Cu, N-codoped titanate nanotubes prepared by microwave-assisted hydrothermal method. <i>Journal of Hazardous Materials</i> , 2017, 322, 254-262.	6.5	67
98	Unveiling the thermal kinetics and scissoring mechanism of neolatry polyethylene/reduced graphite oxide nanocomposites. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 123, 20-29.	2.6	15
99	Boron-doped reduced graphene oxide-based bimetallic Ni/Fe nanohybrids for the rapid dechlorination of trichloroethylene. <i>Environmental Science: Nano</i> , 2017, 4, 565-576.	2.2	55
100	Enhanced photocatalytic activity of Cu-deposited N-TiO <sub>2</sub> /titanate nanotubes under UV and visible light irradiations. <i>Separation and Purification Technology</i> , 2017, 179, 403-411.	3.9	27
101	Parameterization and prediction of nanoparticle transport in porous media: A reanalysis using artificial neural network. <i>Water Resources Research</i> , 2017, 53, 4564-4585.	1.7	34
102	Silver nanoparticles embedded boron-doped reduced graphene oxide as anode material for high performance lithium ion battery. <i>Electrochimica Acta</i> , 2017, 243, 282-290.	2.6	42
103	Ultra-small CoO nanocrystals anchored on reduced graphene oxide for enhanced lithium storage in lithium ion batteries. <i>MRS Communications</i> , 2017, 7, 236-244.	0.8	10
104	New Avenue for Appendage of Graphene Quantum Dots on Halloysite Nanotubes as Anode Materials for High Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4930-4940.	3.2	95
105	Nano assembly of N-doped graphene quantum dots anchored Fe <sub>3</sub> O <sub>4</sub> /halloysite nanotubes for high performance supercapacitor. <i>Electrochimica Acta</i> , 2017, 245, 912-923.	2.6	111
106	Continuum-based models and concepts for the transport of nanoparticles in saturated porous media: A state-of-the-science review. <i>Advances in Colloid and Interface Science</i> , 2017, 246, 75-104.	7.0	119
107	Ternary Au/ZnO/rGO nanocomposites electrodes for high performance electrochemical storage devices. <i>Applied Surface Science</i> , 2017, 420, 118-128.	3.1	30
108	Catalytic Nanoreactors of Au@Fe <sub>3</sub> O <sub>4</sub> Yolk-Shell Nanostructures with Various Au Sizes for Efficient Nitroarene Reduction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7844-7853.	1.5	68



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109	Electrically conducting graphene-based polyurethane nanocomposites for microwave shielding applications in the Ku band. <i>Journal of Materials Science</i> , 2017, 52, 1546-1560.	1.7	59
110	Heterostructured ZnFe <sub>2</sub> O <sub>4</sub> /TiO <sub>2</sub> nanocomposites with a highly recyclable visible-light-response for bisphenol A degradation. <i>RSC Advances</i> , 2017, 7, 50006-50016.	1.7	58
111	Label-Free and Nondestructive Separation Technique for Isolation of Targeted DNA from DNA-Protein Mixture Using Magnetic Au-Fe <sub>3</sub> O <sub>4</sub> Nanoprobes. <i>Analytical Chemistry</i> , 2017, 89, 12244-12251.	3.2	38
112	Highly sensitive and selective detection of mercury ions using N, S-codoped graphene quantum dots and its paper strip based sensing application in wastewater. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 1169-1178.	4.0	135
113	Design of size-tunable molecularly imprinted polymer for selective adsorption of acetaminophen. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 243-250.	2.1	11
114	Electrical and Dielectric Properties of Exfoliated Thermally Reduced Graphene Based Polyurethane Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 8782-8790.	0.9	7
115	Synthesis and shielding properties of PVP-stabilized-AgNPs-based graphene nanohybrid in the Ku band. <i>Synthetic Metals</i> , 2016, 221, 86-94.	2.1	24
116	Hierarchically ordered mesoporous carbons and silver nanoparticles as asymmetric electrodes for highly efficient capacitive deionization. <i>Desalination</i> , 2016, 398, 171-179.	4.0	59
117	Highly Sensitive and Selective Detection of Nanomolar Ferric Ions Using Dopamine Functionalized Graphene Quantum Dots. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 21002-21010.	4.0	168
118	Formation of Cu <sub>2</sub> O/Titanate/Titania Heterojunctions from Hydrothermally Induced Dual Phase Transitions. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21381-21389.	1.5	10
119	Fabrication of highly visible-light-responsive ZnFe <sub>2</sub> O <sub>4</sub> /TiO <sub>2</sub> heterostructures for the enhanced photocatalytic degradation of organic dyes. <i>RSC Advances</i> , 2016, 6, 103428-103437.	1.7	51
120	Ultrafine CoO Embedded Reduced Graphene Oxide Nanocomposites: A High Rate Anode for Li-Ion Battery. <i>ChemistrySelect</i> , 2016, 1, 5758-5767.	0.7	22
121	Size Effect of Ordered Mesoporous Carbon Nanospheres for Anodes in Li-Ion Battery. <i>Nanomaterials</i> , 2015, 5, 2348-2358.	1.9	20
122	Mesoporous silica supported bimetallic Pd/Fe for enhanced dechlorination of tetrachloroethylene. <i>RSC Advances</i> , 2015, 5, 90797-90805.	1.7	12
123	Synergistic effect of Cu adsorption on the enhanced photocatalytic degradation of bisphenol A by TiO <sub>2</sub> /titanate nanotubes composites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 57, 69-76.	2.7	19
124	Activation of hierarchically ordered mesoporous carbons for enhanced capacitive deionization application. <i>Synthetic Metals</i> , 2015, 205, 48-57.	2.1	43
125	Enhanced photocatalytic degradation of sulfamethoxazole by visible-light-sensitive TiO <sub>2</sub> with low Cu addition. <i>Separation and Purification Technology</i> , 2015, 156, 1003-1010.	3.9	38
126	Fabrication of Titanium Dioxide Nanotube Array as a Photocathode for Hydrogen Evolution. <i>ACS Symposium Series</i> , 2014, , 133-147.	0.5	0



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127	Hierarchically Porous Carbon with Manganese Oxides as Highly Efficient Electrode for Asymmetric Supercapacitors. <i>ChemSusChem</i> , 2014, 7, 841-847.	3.6	65
128	Fabrication of hierarchically ordered porous carbons using sugarcane bagasse as the scaffold for supercapacitor applications. <i>Synthetic Metals</i> , 2014, 194, 29-37.	2.1	22
129	Cu@TiO <sub>2</sub> nanorods with enhanced ultraviolet- and visible-light photoactivity for bisphenol A degradation. <i>Journal of Hazardous Materials</i> , 2014, 277, 84-92.	6.5	81
130	Characterization of interfacially electronic structures of gold@magnetite heterostructures using X-ray absorption spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2014, 417, 325-332.	5.0	24
131	Highly efficient reduction of 4-nitrophenol by heterostructured gold-magnetite nanocatalysts. <i>Applied Catalysis A: General</i> , 2014, 486, 32-41.	2.2	122
132	Enhanced dechlorination of carbon tetrachloride by <i>Geobacter sulfurreducens</i> in the presence of naturally occurring quinones and ferrihydrite. <i>Chemosphere</i> , 2014, 97, 54-63.	4.2	27
133	Enhanced dechlorination of tetrachloroethylene by polyethylene glycol-coated zerovalent silicon in the presence of nickel ions. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 182-188.	10.8	12
134	Size and morphological effect of Au@Fe <sub>3</sub> O <sub>4</sub> heterostructures on magnetic resonance imaging. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	15
135	Architectural design of hierarchically ordered porous carbons for high-rate electrochemical capacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2886.	5.2	68
136	Sensitive amperometric immunosensor for $\alpha$ -fetoprotein detection based on multifunctional dumbbell-like Au-Fe <sub>3</sub> O <sub>4</sub> heterostructures. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 34-43.	4.0	45
137	Magnetically Recyclable Gold@Magnetite Nanocatalysts for Reduction of Nitrophenols. <i>ACS Symposium Series</i> , 2013, , 291-305.	0.5	1
138	Enhanced photoactivity of Cu-deposited titanate nanotubes for removal of bisphenol A. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 48-55.	10.8	71
139	Application of Zerovalent Silicon for the Dechlorination of Chlorinated Hydrocarbons – A Review. <i>ACS Symposium Series</i> , 2013, , 211-231.	0.5	1
140	Reply to Comment on “Chemical-Composition-Dependent Metastability of Tetragonal ZrO <sub>2</sub> in Sol-Gel-Derived Films under Different Calcination Conditions”. <i>Chemistry of Materials</i> , 2012, 24, 4270-4270.	3.2	0
141	Engineered Synthetic Polymer Nanoparticles as IgG Affinity Ligands. <i>Journal of the American Chemical Society</i> , 2012, 134, 15765-15772.	6.6	83
142	Adsorption and selective recognition of 17 $\beta$ -estradiol by molecularly imprinted polymers. <i>Journal of Polymer Research</i> , 2012, 19, 1.	1.2	17
143	Three-Dimensional Hierarchically Ordered Porous Carbons with Partially Graphitic Nanostructures for Electrochemical Capacitive Energy Storage. <i>ChemSusChem</i> , 2012, 5, 563-571.	3.6	142
144	Ordered mesoporous carbon@TiO <sub>2</sub> materials for improved electrochemical performance of lithium ion battery. <i>Carbon</i> , 2012, 50, 4259-4268.	5.4	86

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145	Dechlorination of chlorinated hydrocarbons by bimetallic Ni/Fe immobilized on polyethylene glycol-grafted microfiltration membranes under anoxic conditions. <i>Chemosphere</i> , 2012, 86, 392-399.	4.2	47
146	Coupled removal of bisphenol A and copper ion by titanate nanotubes fabricated at different calcination temperatures. <i>Separation and Purification Technology</i> , 2012, 91, 81-88.	3.9	28
147	Sugarcane bagasse as the scaffold for mass production of hierarchically porous carbon monoliths by surface self-assembly. <i>Microporous and Mesoporous Materials</i> , 2012, 147, 47-52.	2.2	59
148	Industrial dye decolorizing lignin peroxidase from <i>Kocuria rosea</i> MTCC 1532. <i>Annals of Microbiology</i> , 2012, 62, 217-223.	1.1	40
149	Enhanced Dechlorination of Tetrachloroethylene by Zerovalent Silicon in the Presence of Polyethylene Glycol under Anoxic Conditions. <i>Environmental Science &amp; Technology</i> , 2011, 45, 2301-2307.	4.6	12
150	Synergistic effect of nickel ions on the coupled dechlorination of trichloroethylene and 2,4-dichlorophenol by Fe/TiO <sub>2</sub> nanocomposites in the presence of UV light under anoxic conditions. <i>Water Research</i> , 2011, 45, 4198-4210.	5.3	34
151	Bifunctional Au <sup>3+</sup> /Fe <sub>3</sub> O <sub>4</sub> Heterostructures for Magnetically Recyclable Catalysis of Nitrophenol Reduction. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6591-6598.	1.5	465
152	Photoassisted reduction and adsorption in aqueous Cr(VI) solution by titanium dioxide, carbon nanotubes and their composite. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 949-956.	1.6	22
153	Dual-template synthesis of magnetically-separable hierarchically-ordered porous carbons by catalytic graphitization. <i>Carbon</i> , 2011, 49, 3055-3064.	5.4	87
154	Microwave-assisted hydrothermal synthesis of mesoporous anatase TiO <sub>2</sub> via sol-gel process for dye-sensitized solar cells. <i>Microporous and Mesoporous Materials</i> , 2011, 142, 473-480.	2.2	68
155	Array-based titanium dioxide biosensors for ratiometric determination of glucose, glutamate and urea. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1439-1446.	5.3	62
156	Photoassisted reduction of metal ions and organic dye by titanium dioxide nanoparticles in aqueous solution under anoxic conditions. <i>Science of the Total Environment</i> , 2010, 408, 3334-3341.	3.9	23
157	Dechlorination and photodegradation of trichloroethylene by Fe/TiO <sub>2</sub> nanocomposites in the presence of nickel ions under anoxic conditions. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 116-123.	10.8	30
158	Simultaneous determination of biomarkers for Alzheimer's disease using sol-gel-derived optical array biosensor. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2464-2469.	5.3	31
159	Concentration effect of copper loading on the reductive dechlorination of tetrachloroethylene by zerovalent silicon. <i>Water Science and Technology</i> , 2010, 62, 28-35.	1.2	5
160	Stability of metal oxide nanoparticles in aqueous solutions. <i>Water Science and Technology</i> , 2010, 61, 127-133.	1.2	239
161	Direct Synthesis of Controllable Microstructures of Thermally Stable and Ordered Mesoporous Crystalline Titanium Oxides and Carbide/Carbon Composites. <i>Chemistry of Materials</i> , 2010, 22, 1760-1767.	3.2	70
162	Characterization and photocatalytic activity of vanadium-doped titanium dioxide nanocatalysts. <i>Water Science and Technology</i> , 2009, 59, 523-530.	1.2	15

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163	Transformation of carbon tetrachloride by biogenic iron species in the presence of <i>Geobacter sulfurreducens</i> and electron shuttles. <i>Journal of Hazardous Materials</i> , 2009, 164, 337-344.	6.5	34
164	Dechlorination of trichloroethylene by Ni/Fe nanoparticles immobilized in PEG/PVDF and PEG/nylon 66 membranes. <i>Water Research</i> , 2009, 43, 3086-3094.	5.3	96
165	Microstructural and photocatalytic properties of sol-gel-derived vanadium-doped mesoporous titanium dioxide nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 2302-2308.	1.5	36
166	Characterization and composition of heavy metals and persistent organic pollutants in water and estuarine sediments from Gao-ping River, Taiwan. <i>Marine Pollution Bulletin</i> , 2008, 57, 846-857.	2.3	91
167	Preparation of Potassium Ferrate for the Degradation of Tetracycline. <i>ACS Symposium Series</i> , 2008, , 404-419.	0.5	6
168	Coupled removal of organic compounds and heavy metals by titanate/carbon nanotube composites. <i>Water Science and Technology</i> , 2008, 58, 1985-1992.	1.2	44
169	Dechlorination of Tetrachloroethylene in Aqueous Solutions Using Metal-Modified Zerovalent Silicon. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4752-4757.	4.6	38
170	Fabrication and Characterization of Nanostructured Titanate Materials by the Hydrothermal Treatment Method. <i>Recent Patents on Nanotechnology</i> , 2008, 2, 84-102.	0.7	17
171	Interband Transitions in Sol-Gel-Derived $ZrO_2$ Films under Different Calcination Conditions. <i>Chemistry of Materials</i> , 2007, 19, 4804-4810.	3.2	90
172	Preparation and characterization of urease-encapsulated biosensors in poly(vinyl alcohol)-modified silica sol-gel materials. <i>Biosensors and Bioelectronics</i> , 2007, 23, 66-73.	5.3	64
173	Glutamate optical biosensor based on the immobilization of glutamate dehydrogenase in titanium dioxide sol-gel matrix. <i>Biosensors and Bioelectronics</i> , 2006, 22, 185-191.	5.3	41
174	Characterization of Zr-Doped $TiO_2$ Nanocrystals Prepared by a Nonhydrolytic Sol-Gel Method at High Temperatures. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20808-20814.	1.2	136
175	$ZrO_2$ thin films with controllable morphology and thickness by spin-coated sol-gel method. <i>Thin Solid Films</i> , 2005, 489, 17-22.	0.8	62
176	Simultaneous determination of pH, urea, acetylcholine and heavy metals using array-based enzymatic optical biosensor. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1796-1804.	5.3	133
177	Chemical-Composition-Dependent Metastability of Tetragonal $ZrO_2$ in Sol-Gel-Derived Films under Different Calcination Conditions. <i>Chemistry of Materials</i> , 2005, 17, 4837-4844.	3.2	79
178	Transformation of Carbon Tetrachloride by Thiol Reductants in the Presence of Quinone Compounds. <i>Environmental Science &amp; Technology</i> , 2005, 39, 7460-7468.	4.6	49
179	Dechlorination of tetrachloroethylene by palladized iron in the presence of humic acid. <i>Water Research</i> , 2005, 39, 2309-2318.	5.3	101
180	Enhanced Dechlorination of Chlorinated Methanes and Ethenes by Chloride Green Rust in the Presence of Copper(II). <i>Environmental Science &amp; Technology</i> , 2005, 39, 4082-4090.	4.6	79

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181	The Effect of Chemical States of Dopants on the Microstructures and Band Gaps of Metal-Doped ZnO Thin Films at Different Temperatures. <i>Journal of Physical Chemistry B</i> , 2004, 108, 18098-18103.	1.2	63
182	Simultaneous determination of renal clinical analytes in serum using hydrolase- and oxidase-encapsulated optical array biosensors. <i>Analytical Biochemistry</i> , 2004, 334, 183-192.	1.1	34
183	Synergistic Effect of Copper Ion on the Reductive Dechlorination of Carbon Tetrachloride by Surface-Bound Fe(II) Associated with Goethite. <i>Environmental Science &amp; Technology</i> , 2004, 38, 260-268.	4.6	78
184	Reductive Dechlorination of Carbon Tetrachloride in Aqueous Solutions Containing Ferrous and Copper Ions. <i>Environmental Science &amp; Technology</i> , 2004, 38, 6676-6684.	4.6	54
185	Characterization and distribution of polycyclic aromatic hydrocarbon contaminations in surface sediment and water from Gao-ping River, Taiwan. <i>Water Research</i> , 2004, 38, 1733-1744.	5.3	272
186	Sol-gel derived urease-based optical biosensor for the rapid determination of heavy metals. <i>Analytica Chimica Acta</i> , 2003, 481, 75-84.	2.6	69
187	Solubilization and mineralization of polycyclic aromatic hydrocarbons by <i>Pseudomonas putida</i> in the presence of surfactant. <i>Journal of Hazardous Materials</i> , 2003, 96, 15-27.	6.5	114
188	Reductive Dechlorination of Carbon Tetrachloride and Tetrachloroethylene by Zerovalent Silicon-Iron Reductants. <i>Environmental Science &amp; Technology</i> , 2003, 37, 2575-2581.	4.6	74
189	Cysteine-Mediated Reductive Dissolution of Poorly Crystalline Iron(III) Oxides by <i>Geobacter sulfurreducens</i> . <i>Environmental Science &amp; Technology</i> , 2002, 36, 2939-2945.	4.6	101
190	Composition and distribution of organochlorine pesticide residues in surface sediments from the Wu-Shi River estuary, Taiwan. <i>Marine Pollution Bulletin</i> , 2002, 45, 246-253.	2.3	197
191	The influence of pH and cadmium sulfide on the photocatalytic degradation of 2-chlorophenol in titanium dioxide suspensions. <i>Water Research</i> , 2001, 35, 2873-2880.	5.3	179
192	Immobilization and characterization of sol-gel-encapsulated acetylcholinesterase fiber-optic biosensor. <i>Analytica Chimica Acta</i> , 2001, 434, 239-246.	2.6	101
193	Determination of organochlorine pesticides and their metabolites in soil samples using headspace solid-phase microextraction. <i>Journal of Chromatography A</i> , 2001, 918, 177-188.	1.8	141
194	Solid-phase microextraction for determining the distribution of sixteen US Environmental Protection Agency polycyclic aromatic hydrocarbons in water samples. <i>Journal of Chromatography A</i> , 2000, 879, 177-188.	1.8	251
195	Solid-Phase Microextraction and Headspace Solid-Phase Microextraction for the Determination of High Molecular-Weight Polycyclic Aromatic Hydrocarbons in Water and Soil Samples. <i>Journal of Chromatographic Science</i> , 2000, 38, 528-534.	0.7	62
196	Determination of Distribution Coefficients of Priority Polycyclic Aromatic Hydrocarbons Using Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2000, 72, 3647-3652.	3.2	92
197	Determination of organochlorine pesticide residues in foods using solid-phase extraction clean-up cartridges. <i>Analyst</i> , 1999, 124, 1287-1289.	1.7	48
198	Photodegradation of parathion in aqueous titanium dioxide and zero valent iron solutions in the presence of hydrogen peroxide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998, 116, 221-228.	2.0	62

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199	MODELING TRANSPORT AND FATE OF CHLORINATED HYDROCARBONS GOVERNED BY BIOTIC TRANSFORMATION IN POROUS MEDIA. <i>Water Research</i> , 1998, 32, 39-46.	5.3	6
200	Surfactant enhanced remediation of cadmium contaminated soils. <i>Water Science and Technology</i> , 1998, 37, 65-71.	1.2	93
201	Photoassisted titanium dioxide mediated degradation of organophosphorus pesticides by hydrogen peroxide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 107, 239-244.	2.0	107
202	Effect of substrate concentration on the biotransformation of carbon tetrachloride and 1,1,1-trichloroethane under anaerobic condition. <i>Water Research</i> , 1996, 30, 577-586.	5.3	23
203	Effect of anionic and nonionic surfactants on sorption and micellar solubilization of monocyclic aromatic compounds. <i>Water Science and Technology</i> , 1996, 34, 327-334.	1.2	10
204	Enhanced biodegradation of carbon tetrachloride by the supplement of substrate and mineral ions under anaerobic condition. <i>Water Environment Research</i> , 1995, 67, 276-281.	1.3	9
205	Effect of crude <i>Ganoderma applanatum</i> polysaccharides as a renoprotective agent against carbon tetrachloride-induced early kidney fibrosis in mice. <i>Veterinary World</i> , 0, , 1022-1030.	0.7	4