

Nianqiang Wu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

198
papers

22,637
citations

69
h-index

149
g-index

210
ext. papers

24,963
ext. citations

7.9
avg, IF

7.31
L-index

#	Paper	IF	Citations
198	Interconnected cathode-electrolyte double-layer enabling continuous Li-ion conduction throughout solid-state Li-S battery. <i>Energy Storage Materials</i> , 2022 , 44, 136-144	19.4	3
197	Effects of Bi-dopant and co-catalysts upon hole surface trapping on La ₂ Ti ₂ O ₇ nanosheet photocatalysts in overall solar water splitting. <i>Nano Research</i> , 2022 , 15, 438	10	3
196	Plasmon-enhanced near-infrared fluorescence detection of traumatic brain injury biomarker glial fibrillary acidic protein in blood plasma.. <i>Analytica Chimica Acta</i> , 2022 , 1203, 339721	6.6	3
195	Ionic conductivity and ion transport mechanisms of solid-state lithium-ion battery electrolytes: A review. <i>Energy Science and Engineering</i> , 2022 , 10, 1643-1671	3.4	5
194	Visible-light and near-infrared fluorescence and surface-enhanced Raman scattering point-of-care sensing and bio-imaging: a review.. <i>Chemical Society Reviews</i> , 2021 ,	58.5	10
193	A "hot Spot"-Enhanced paper lateral flow assay for ultrasensitive detection of traumatic brain injury biomarker S-100 β in blood plasma. <i>Biosensors and Bioelectronics</i> , 2021 , 177, 112967	11.8	17
192	Polymer-ceramic composite electrolytes for all-solid-state lithium batteries: Ionic conductivity and chemical interaction enhanced by oxygen vacancy in ceramic nanofibers. <i>Journal of Power Sources</i> , 2021 , 495, 229796	8.9	12
191	Emerging Solar Photocatalysis. <i>Solar Rrl</i> , 2021 , 5, 2100252	7.1	1
190	Enabling Direct Protein Detection in a Drop of Whole Blood with an "On-Strip" Plasma Separation Unit in a Paper-Based Lateral Flow Strip. <i>Analytical Chemistry</i> , 2021 , 93, 1326-1332	7.8	17
189	Nanoparticle-based genetic transformation of Cannabis sativa. <i>Journal of Biotechnology</i> , 2021 , 326, 48-51,7	5.7	12
188	Visible-Light Localized Surface Plasmon Resonance of WO ₃ Nanosheets and Its Photocatalysis Driven by Plasmonic Hot Carriers. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 1500-1506	8.3	15
187	Solar Photocatalysis. <i>Solar Rrl</i> , 2021 , 5, 2100037	7.1	8
186	3D printing of an anode scaffold for lithium batteries guided by mixture design-based sequential learning. <i>Journal of Materials Processing Technology</i> , 2021 , 295, 117159	5.3	6
185	Molecular hot spots in surface-enhanced Raman scattering. <i>Nanoscale</i> , 2020 , 12, 22036-22041	7.7	10
184	Plasmonic hot electrons for sensing, photodetection, and solar energy applications: A perspective. <i>Journal of Chemical Physics</i> , 2020 , 152, 220901	3.9	65
183	A Single-Ion Conducting UiO-66 Metal-Organic Framework Electrolyte for All-Solid-State Lithium Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 4007-4013	6.1	39
182	Chemical interaction and enhanced interfacial ion transport in a ceramic nanofiber-polymer composite electrolyte for all-solid-state lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 7261-7272	13	40

181	Mouse pulmonary dose- and time course-responses induced by exposure to nitrogen-doped multi-walled carbon nanotubes. <i>Inhalation Toxicology</i> , 2020 , 32, 24-38	2.7	4
180	Garnet-rich composite solid electrolytes for dendrite-free, high-rate, solid-state lithium-metal batteries. <i>Energy Storage Materials</i> , 2020 , 26, 448-456	19.4	46
179	Converting Plasmonic Light Scattering to Confined Light Absorption and Creating Plexcitons by Coupling a Gold Nano-pyramid Array onto a Silica-Gold Film. <i>Nanoscale Horizons</i> , 2019 , 4, 516-525	10.8	16
178	Preface Semiconductor Electrochemistry and Photoelectrochemistry in Honor of Krishnan Rajeshwar. <i>Journal of the Electrochemical Society</i> , 2019 , 166, Y5-Y6	3.9	2
177	High-Performance 3-D Fiber Network Composite Electrolyte Enabled with Li-Ion Conducting Nanofibers and Amorphous PEO-Based Cross-Linked Polymer for Ambient All-Solid-State Lithium-Metal Batteries. <i>Advanced Fiber Materials</i> , 2019 , 1, 46-60	10.9	26
176	A review of 2D and 3D plasmonic nanostructure array patterns: fabrication, light management and sensing applications. <i>Nanophotonics</i> , 2019 , 8, 2065-2089	6.3	113
175	Tunable Visible-Light Surface Plasmon Resonance of Molybdenum Oxide Thin Films Fabricated by E-beam Evaporation. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 2389-2395	4	16
174	Origin of strong and narrow localized surface plasmon resonance of copper nanocubes. <i>Nano Research</i> , 2019 , 12, 63-68	10	41
173	Flexible electrolyte-cathode bilayer framework with stabilized interface for room-temperature all-solid-state lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2019 , 17, 220-225	19.4	57
172	Plasmon-tunable Au@Ag core-shell spiky nanoparticles for surface-enhanced Raman scattering. <i>Nano Research</i> , 2019 , 12, 449-455	10	39
171	Density functional theory evaluation of cation-doped bismuth molybdenum oxide photocatalysts for nitrogen fixation. <i>Computational Materials Science</i> , 2019 , 158, 65-75	3.2	8
170	Functionalization of a Metal-Organic Framework Semiconductor for Tuned Band Structure and Catalytic Activity. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H3029-H3034	3.9	26
169	Visible-Light Bismuth Iron Molybdate Photocatalyst for Artificial Nitrogen Fixation. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H3091-H3096	3.9	16
168	Metal-organic framework coated titanium dioxide nanorod array p-n heterojunction photoanode for solar water-splitting. <i>Nano Research</i> , 2019 , 12, 643-650	10	50
167	Review Surface-Enhanced Raman Scattering Sensors for Food Safety and Environmental Monitoring. <i>Journal of the Electrochemical Society</i> , 2018 , 165, B3098-B3118	3.9	88
166	Plasmonic Resonance Energy Transfer Enhanced Photodynamic Therapy with Au@SiO ₂ @CuO/Perfluorohexane Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6991-7002	9.5	47
165	Li _{0.33} La _{0.557} TiO ₃ ceramic nanofiber-enhanced polyethylene oxide-based composite polymer electrolytes for all-solid-state lithium batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4279-4285	13	188
164	Tailoring Optical Properties of a Large-Area Plasmonic Gold Nanoring Array Pattern. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13443-13449	3.8	17

163	Plasmonic metal-semiconductor photocatalysts and photoelectrochemical cells: a review. <i>Nanoscale</i> , 2018 , 10, 2679-2696	7.7	260
162	Length, but Not Reactive Edges, of Cup-stack MWCNT Is Responsible for Toxicity and Acute Lung Inflammation. <i>Toxicologic Pathology</i> , 2018 , 46, 62-74	2.1	11
161	Detection of nitrite with a surface-enhanced Raman scattering sensor based on silver nanopyramid array. <i>Analytica Chimica Acta</i> , 2018 , 1040, 158-165	6.6	28
160	User-Tailored Metal-Organic Frameworks as Supports for Carbonic Anhydrase. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41326-41337	9.5	30
159	Tunable Nonthermal Distribution of Hot Electrons in a Semiconductor Injected from a Plasmonic Gold Nanostructure. <i>ACS Nano</i> , 2018 , 12, 7117-7126	16.7	47
158	Effects of titanium dioxide nanoparticles on human keratinocytes. <i>Drug and Chemical Toxicology</i> , 2017 , 40, 90-100	2.3	22
157	Effects of Defects on Photocatalytic Activity of Hydrogen-Treated Titanium Oxide Nanobelts. <i>ACS Catalysis</i> , 2017 , 7, 1742-1748	13.1	129
156	Excitation wavelength dependent fluorescence of graphene oxide controlled by strain. <i>Nanoscale</i> , 2017 , 9, 2240-2245	7.7	15
155	Lung bioactivity of vapor grown carbon nanofibers. <i>NanoImpact</i> , 2017 , 6, 1-10	5.6	4
154	A Hierarchical Nanostructure-Based Surface-Enhanced Raman Scattering Sensor for Preconcentration and Detection of Antibiotic Pollutants. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700028	6.8	17
153	Detection of mercury(II) with a surface-enhanced Raman scattering sensor based on functionalized gold nanoparticles. <i>Materials Research Express</i> , 2017 , 4, 055017	1.7	12
152	Effect of surface functionalizations of multi-walled carbon nanotubes on neoplastic transformation potential in primary human lung epithelial cells. <i>Nanotoxicology</i> , 2017 , 11, 613-624	5.3	18
151	Kriging-Based Design of Experiments for Multi-Source Exposure Response Studies in Nanotoxicology. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3223-3232	8.3	1
150	Detection of Dithiocarbamate Pesticides with a Spongelike Surface-Enhanced Raman Scattering Substrate Made of Reduced Graphene Oxide-Wrapped Silver Nanocubes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39618-39625	9.5	54
149	Integrated Lateral Flow Device for Flow Control with Blood Separation and Biosensing. <i>Micromachines</i> , 2017 , 8,	3.3	4
148	Paper-Based Surface-Enhanced Raman Scattering Lateral Flow Strip for Detection of Neuron-Specific Enolase in Blood Plasma. <i>Analytical Chemistry</i> , 2017 , 89, 10104-10110	7.8	112
147	Fluorescence and Sensing Applications of Graphene Oxide and Graphene Quantum Dots: A Review. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2343-2353	4.5	171
146	A Hierarchically Ordered Array of Silver-Nanorod Bundles for Surface-Enhanced Raman Scattering Detection of Phenolic Pollutants. <i>Advanced Materials</i> , 2016 , 28, 4871-6	24	239

145	Distinguishing surface effects of gold nanoparticles from plasmonic effect on photoelectrochemical water splitting by hematite. <i>Journal of Materials Research</i> , 2016 , 31, 1608-1615	2.5	23
144	Progress and Perspectives of Plasmon-Enhanced Solar Energy Conversion. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 666-75	6.4	180
143	Dipping into a drink: Basil-seed supported silver nanoparticles as surface-enhanced Raman scattering substrates for toxic molecule detection. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 447-452	8.5	21
142	Thermodynamics of the oxygen evolution electrocatalysis in a functionalized UiO-66 metal-organic frameworks. <i>International Journal of Quantum Chemistry</i> , 2016 , 116, 1153-1159	2.1	8
141	Fabrication of hexagonally patterned flower-like silver particle arrays as surface-enhanced Raman scattering substrates. <i>Nanotechnology</i> , 2016 , 27, 325303	3.4	5
140	Silver-Nanorod Bundles: A Hierarchically Ordered Array of Silver-Nanorod Bundles for Surface-Enhanced Raman Scattering Detection of Phenolic Pollutants (Adv. Mater. 24/2016). <i>Advanced Materials</i> , 2016 , 28, 4870	24	7
139	Smartphone-Based Sensors. <i>Electrochemical Society Interface</i> , 2016 , 25, 79-81	3.6	12
138	Microsized BiOCl Square Nanosheets as Ultraviolet Photodetectors and Photocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6662-8	9.5	67
137	Study of the inorganic substitution in a functionalized UiO-66 metal-organic framework. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 12748-54	3.6	45
136	An ordered array of hierarchical spheres for surface-enhanced Raman scattering detection of traces of pesticide. <i>Nanotechnology</i> , 2016 , 27, 384001	3.4	16
135	Incorporation of a Basil-Seed-Based Surface Enhanced Raman Scattering Sensor with a Pipet for Detection of Melamine. <i>ACS Sensors</i> , 2016 , 1, 1193-1197	9.2	20
134	Investigation of the plasmonic effect in air-processed PbS/CdS core-shell quantum dot based solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13071-13080	13	12
133	Microfluidic gradient device for studying mesothelial cell migration and the effect of chronic carbon nanotube exposure. <i>Journal of Micromechanics and Microengineering</i> , 2015 , 25,	2	3
132	Controlling Plasmon-Induced Resonance Energy Transfer and Hot Electron Injection Processes in Core-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16239-16244	3.8	181
131	ZnO-nanotaper array sacrificial templated synthesis of noble-metal building-block assembled nanotube arrays as 3D SERS-substrates. <i>Nano Research</i> , 2015 , 8, 957-966	10	59
130	Towards high efficiency air-processed near-infrared responsive photovoltaics: bulk heterojunction solar cells based on PbS/CdS core-shell quantum dots and TiO ₂ nanorod arrays. <i>Nanoscale</i> , 2015 , 7, 10039-49	7.7	37
129	Gaussian process based modeling and experimental design for sensor calibration in drifting environments. <i>Sensors and Actuators B: Chemical</i> , 2015 , 216, 321-331	8.5	12
128	Band gap narrowing in nitrogen-doped La ₂ Ti ₂ O ₇ predicted by density-functional theory calculations. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 8994-9000	3.6	31

127	Theoretical maximum efficiency of solar energy conversion in plasmonic metal-semiconductor heterojunctions. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 30013-22	3.6	50
126	Investigation of band gap narrowing in nitrogen-doped La ₂ Ti ₂ O ₇ with transient absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 31039-43	3.6	12
125	Plasmon-induced resonance energy transfer for solar energy conversion. <i>Nature Photonics</i> , 2015 , 9, 601-607	5.9	446
124	Ab initio calculation of electronic charge mobility in metal-organic frameworks. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 26160-5	3.6	16
123	Plasmon-enhanced optical sensors: a review. <i>Analyst, The</i> , 2015 , 140, 386-406	5	584
122	Semiconductor-based photocatalysts and photoelectrochemical cells for solar fuel generation: a review. <i>Catalysis Science and Technology</i> , 2015 , 5, 1360-1384	5.5	673
121	A Surface-Enhanced Raman Scattering Sensor Integrated with Battery-Controlled Fluidic Device for Capture and Detection of Trace Small Molecules. <i>Scientific Reports</i> , 2015 , 5, 12865	4.9	17
120	Above and below band edge light recovery with plasmonics 2015 ,		2
119	Lignosulphonate-cellulose derived porous activated carbon for supercapacitor electrode. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15049-15056	13	72
118	A gold nanohole array based surface-enhanced Raman scattering biosensor for detection of silver(I) and mercury(II) in human saliva. <i>Nanoscale</i> , 2015 , 7, 11005-12	7.7	74
117	Enhancement of Solar Hydrogen Generation by Synergistic Interaction of La ₂ Ti ₂ O ₇ Photocatalyst with Plasmonic Gold Nanoparticles and Reduced Graphene Oxide Nanosheets. <i>ACS Catalysis</i> , 2015 , 5, 1949-1955	13.1	105
116	Tailoring plasmonic properties of gold nanohole arrays for surface-enhanced Raman scattering. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 21211-9	3.6	52
115	Air-processed depleted bulk heterojunction solar cells based on PbS/CdS core-shell quantum dots and TiO ₂ nanorod arrays. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 124, 67-74	6.4	34
114	Detection of the ovarian cancer biomarker CA-125 using chemiluminescence resonance energy transfer to graphene quantum dots. <i>Chemical Communications</i> , 2014 , 50, 1344-6	5.8	120
113	Origin of strong excitation wavelength dependent fluorescence of graphene oxide. <i>ACS Nano</i> , 2014 , 8, 1002-13	16.7	280
112	A gold@silica core-shell nanoparticle-based surface-enhanced Raman scattering biosensor for label-free glucose detection. <i>Analytica Chimica Acta</i> , 2014 , 811, 76-80	6.6	74
111	Electrospun activated carbon nanofibers for supercapacitor electrodes. <i>RSC Advances</i> , 2014 , 4, 43619-43623	3.7	69
110	Solar hydrogen generation by a CdS-Au-TiO ₂ sandwich nanorod array enhanced with Au nanoparticle as electron relay and plasmonic photosensitizer. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8438-49	16.4	472

109	Enzyme catalytic efficiency: a function of bio-nano interface reactions. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 5393-403	9.5	71
108	A New Stochastic Kriging Method for Modeling Multi-Source Exposure-Response Data in Toxicology Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1581-1591	8.3	5
107	Band gap modulation of functionalized metal-organic frameworks. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 23646-53	3.6	57
106	Effects of Pore Structure on Performance of An Activated-Carbon Supercapacitor Electrode Recycled from Scrap Waste Tires. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1592-1598	8.3	227
105	IL-1R signalling is critical for regulation of multi-walled carbon nanotubes-induced acute lung inflammation in C57Bl/6 mice. <i>Nanotoxicology</i> , 2014 , 8, 17-27	5.3	42
104	A Systematic Study of the Catalytic Behavior at Enzyme/Metal-Oxide Nanointerfaces. <i>Nano LIFE</i> , 2014 , 04, 1450005	0.9	12
103	Synthesis, characterization, and bioactivity of carboxylic acid-functionalized titanium dioxide nanobelts. <i>Particle and Fibre Toxicology</i> , 2014 , 11, 43	8.4	34
102	Effect of fiber length on carbon nanotube-induced fibrogenesis. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 7444-61	6.3	62
101	Effect of multi-walled carbon nanotube surface modification on bioactivity in the C57BL/6 mouse model. <i>Nanotoxicology</i> , 2014 , 8, 317-27	5.3	83
100	Photocatalytic hydrogen generation enhanced by band gap narrowing and improved charge carrier mobility in AgTaO ₃ by compensated co-doping. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 16220-6	3.6	46
99	Dual detection of cancer biomarker CA125 using absorbance and electrochemical methods. <i>Analyst</i> , 2013 , 138, 5647-53	5	17
98	Experimental and statistical analysis of surface charge, aggregation and adsorption behaviors of surface-functionalized titanium dioxide nanoparticles in aquatic system. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	17
97	Two-Stage Experimental Design for Dose-Response Modeling in Toxicology Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 1119-1128	8.3	2
96	Plasmon-induced photonic and energy-transfer enhancement of solar water splitting by a hematite nanorod array. <i>Nature Communications</i> , 2013 , 4, 2651	17.4	357
95	Selective stamp bonding of PDMS microfluidic devices to polymer substrates for biological applications. <i>Sensors and Actuators A: Physical</i> , 2013 , 193, 186-192	3.9	26
94	Dynamic Calibration of Electrochemical Sensor for Accelerated Analyte Quantification. <i>IEEE Sensors Journal</i> , 2013 , 13, 1192-1199	4	1
93	Enzyme-Based Technologies: Perspectives and Opportunities. <i>ACS Symposium Series</i> , 2013 , 15-27	0.4	
92	Photocatalytic generation of hydrogen with visible-light nitrogen-doped lanthanum titanium oxides. <i>Catalysis Today</i> , 2013 , 199, 48-52	5.3	81

91	Nanostructured carbon-metal oxide composite electrodes for supercapacitors: a review. <i>Nanoscale</i> , 2013 , 5, 72-88	7.7	1608
90	A reduced graphene oxide/Co ₃ O ₄ composite for supercapacitor electrode. <i>Journal of Power Sources</i> , 2013 , 226, 65-70	8.9	397
89	A bootstrapping-based statistical procedure for multivariate calibration of sensor arrays. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 440-453	8.5	3
88	Purification and sidewall functionalization of multiwalled carbon nanotubes and resulting bioactivity in two macrophage models. <i>Inhalation Toxicology</i> , 2013 , 25, 199-210	2.7	56
87	Acute pulmonary dose-responses to inhaled multi-walled carbon nanotubes. <i>Nanotoxicology</i> , 2013 , 7, 1179-94	5.3	150
86	Plasmonic nanorice antenna on triangle nanoarray for surface-enhanced Raman scattering detection of hepatitis B virus DNA. <i>Analytical Chemistry</i> , 2013 , 85, 2072-8	7.8	128
85	Nanostructured Sensors for Detection of Heavy Metals: A Review. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 713-723	8.3	372
84	2O Core-Shell Nanoparticles as Visible-Light Plasmonic Photocatalysts. <i>ACS Catalysis</i> , 2013 , 3, 47-51	13.1	420
83	Photocatalytic Water Oxidation by Hematite/Reduced Graphene Oxide Composites. <i>ACS Catalysis</i> , 2013 , 3, 746-751	13.1	208
82	Detection of lead (II) with a "turn-on" fluorescent biosensor based on energy transfer from CdSe/ZnS quantum dots to graphene oxide. <i>Biosensors and Bioelectronics</i> , 2013 , 43, 69-74	11.8	192
81	Asymmetric silver "nanocarrot" structures: solution synthesis and their asymmetric plasmonic resonances. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9616-9	16.4	38
80	Three-dimensional hierarchical plasmonic nano-architecture enhanced surface-enhanced Raman scattering immunosensor for cancer biomarker detection in blood plasma. <i>ACS Nano</i> , 2013 , 7, 4967-76	16.7	205
79	Solar hydrogen generation by nanoscale p-n junction of p-type molybdenum disulfide/n-type nitrogen-doped reduced graphene oxide. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10286-9	16.4	524
78	Fluorescent aptamer-functionalized graphene oxide biosensor for label-free detection of mercury(II). <i>Biosensors and Bioelectronics</i> , 2013 , 41, 889-93	11.8	189
77	Differential mouse pulmonary dose and time course responses to titanium dioxide nanospheres and nanobelts. <i>Toxicological Sciences</i> , 2013 , 131, 179-93	4.4	56
76	Nickel contamination on MWCNT is related to particle bioactivity but not toxicity in the THP-1 transformed macrophage model. <i>International Journal of Biomedical Nanoscience and Nanotechnology</i> , 2013 , 3, 107	0.2	6
75	Interlaboratory evaluation of in vitro cytotoxicity and inflammatory responses to engineered nanomaterials: the NIEHS Nano GO Consortium. <i>Environmental Health Perspectives</i> , 2013 , 121, 683-90	8.4	151
74	Highly conductive electrospun carbon nanofiber/MnO ₂ coaxial nano-cables for high energy and power density supercapacitors. <i>Journal of Power Sources</i> , 2012 , 208, 345-353	8.9	223

73	Reduced graphene oxide/titanium dioxide composites for supercapacitor electrodes: shape and coupling effects. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19161		160
72	Detection of adenosine triphosphate with an aptamer biosensor based on surface-enhanced Raman scattering. <i>Analytical Chemistry</i> , 2012 , 84, 2837-42	7.8	166
71	Electrospun La _{0.8} Sr _{0.2} MnO ₃ nanofibers for a high-temperature electrochemical carbon monoxide sensor. <i>Nanotechnology</i> , 2012 , 23, 305501	3.4	25
70	Photoelectrochemical performance enhanced by a nickel oxide-hematite p-n junction photoanode. <i>Chemical Communications</i> , 2012 , 48, 8213-5	5.8	179
69	In situ construction of a titanate-silver nanoparticle-titanate sandwich nanostructure on a metallic titanium surface for bacteriostatic and biocompatible implants. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19151		46
68	Selective filling of nanowells in nanowell arrays fabricated using polystyrene nanosphere lithography with cytochrome P450 enzymes. <i>Nanotechnology</i> , 2012 , 23, 385101	3.4	9
67	Photocatalytic activity enhanced by plasmonic resonant energy transfer from metal to semiconductor. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15033-41	16.4	897
66	Fingerprinting photoluminescence of functional groups in graphene oxide. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23374		165
65	Shape-dependent surface-enhanced Raman scattering in gold-Raman probe-silica sandwiched nanoparticles for biocompatible applications. <i>Nanotechnology</i> , 2012 , 23, 115501	3.4	142
64	An intermediate-temperature solid oxide fuel cell with electrospun nanofiber cathode. <i>Energy and Environmental Science</i> , 2012 , 5, 7066	35.4	121
63	Visible light photocatalytic activity of nitrogen-doped La ₂ Ti ₂ O ₇ nanosheets originating from band gap narrowing. <i>Nano Research</i> , 2012 , 5, 213-221	10	173
62	NLRP3 inflammasome activation in murine alveolar macrophages and related lung pathology is associated with MWCNT nickel contamination. <i>Inhalation Toxicology</i> , 2012 , 24, 995-1008	2.7	87
61	Single crystalline La _{0.5} Sr _{0.5} MnO ₃ microcubes as cathode of solid oxide fuel cell. <i>Energy and Environmental Science</i> , 2011 , 4, 139-144	35.4	65
60	Detection of mercury(II) by quantum dot/DNA/gold nanoparticle ensemble based nanosensor via nanometal surface energy transfer. <i>Analytical Chemistry</i> , 2011 , 83, 7061-5	7.8	219
59	Towards controlled synthesis and better understanding of highly luminescent PbS/CdS core/shell quantum dots. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8898		115
58	Single-crystalline Ni(OH) ₂ and NiO nanoplatelet arrays as supercapacitor electrodes. <i>Nanoscale</i> , 2011 , 3, 5103	7.7	259
57	Size-Dependent Energy Transfer between CdSe/ZnS Quantum Dots and Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 2125-2129	6.4	185
56	Electrochemical and optical biosensors based on nanomaterials and nanostructures A Review. <i>Frontiers in Bioscience - Scholar</i> , 2011 , S3, 1308-1331	2.4	1

55	Electrochemical and optical biosensors based on nanomaterials and nanostructures: a review. <i>Frontiers in Bioscience - Scholar</i> , 2011 , 3, 1308-31	2.4	37
54	Origin of localized surface plasmon resonances in thin silver film over nanosphere patterns. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 103, 955-958	2.6	14
53	Nanofiber scaffold for cathode of solid oxide fuel cell. <i>Energy and Environmental Science</i> , 2011 , 4, 417-420	5.4	97
52	Optimum design of sensor arrays via simulation-based multivariate calibration. <i>Sensors and Actuators B: Chemical</i> , 2011 , 156, 854-862	8.5	12
51	Direct fibrogenic effects of dispersed single-walled carbon nanotubes on human lung fibroblasts. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2010 , 73, 410-22	3.2	99
50	Shape-enhanced photocatalytic activity of single-crystalline anatase TiO ₂ (101) nanobelts. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6679-85	16.4	624
49	Tuning the Charge-Transfer Property of PbS-Quantum Dot/TiO ₂ -Nanobelt Nanohybrids via Quantum Confinement. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1030-1035	6.4	117
48	Tuning the shape and thermoelectric property of PbTe nanocrystals by bismuth doping. <i>Nanoscale</i> , 2010 , 2, 1256-9	7.7	40
47	Mouse pulmonary dose- and time course-responses induced by exposure to multi-walled carbon nanotubes. <i>Toxicology</i> , 2010 , 269, 136-47	4.4	403
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