Wenrong Yang

List of Publications by Citations

228 papers	11,936 citations	53 h-index	103 g-index
249 ext. papers	13,825 ext. citations	7 avg, IF	6.6 L-index

#	Paper	IF	Citations
228	Carbon nanomaterials in biosensors: should you use nanotubes or graphene?. *Angewandte Chemie - International Edition*, **2010**, 49, 2114-38	16.4	1188
227	Protein electrochemistry using aligned carbon nanotube arrays. *Journal of the American Chemical Society*, **2003**, 125, 9006-7	16.4	773
226	Self-Assembled Monolayers into the 21st Century: Recent Advances and Applications. *Electroanalysis*, **2003**, 15, 81-96	3	505
225	Carbon nanotubes for biological and biomedical applications. *Nanotechnology*, **2007**, 18, 412001	3.4	460
224	Dispersing carbon nanotubes with graphene oxide in water and synergistic effects between graphene derivatives. *Chemistry - A European Journal*, **2010**, 16, 10653-8	4.8	327
223	Controllable corrugation of chemically converted graphene sheets in water and potential application for nanofiltration. *Chemical Communications*, **2011**, 47, 5810-2	5.8	277
222	Scalable Manufacturing of Free-Standing, Strong Ti C T MXene Films with Outstanding Conductivity. *Advanced Materials*, **2020**, 32, e2001093	24	268
221	Toward ubiquitous environmental gas sensors-capitalizing on the promise of graphene. *Environmental Science & Technology*, **2010**, 44, 1167-76	10.3	242
220	Characterisation of gold electrodes modified with self-assembled monolayers of l-cysteine for the adsorptive stripping analysis of copper. *Journal of Electroanalytical Chemistry*, **2001**, 516, 10-16	4.1	227
219	Graphene and Related Materials in Electrochemical Sensing. *Electroanalysis*, **2011**, 23, 803-826	3	225
218	CoP2 nanoparticles on reduced graphene oxide sheets as a super-efficient bifunctional electrocatalyst for full water splitting. *Journal of Materials Chemistry A*, **2016**, 4, 4686-4690	13	195
217	Thermosensitive graphene nanocomposites formed using pyrene-terminal polymers made by RAFT polymerization. *Journal of Polymer Science Part A*, **2010**, 48, 425-433	2.5	193
216	Synthesis, characterization, and multilayer assembly of pH sensitive graphene-polymer nanocomposites. *Langmuir*, **2010**, 26, 10068-75	4	183
215	Hierarchical coral-like NiMoS nanohybrids as highly efficient bifunctional electrocatalysts for overall urea electrolysis. *Nano Research*, **2018**, 11, 988-996	10	172
214	Molecularly engineered graphene surfaces for sensing applications: A review. *Analytica Chimica Acta*, **2015**, 859, 1-19	6.6	169
213	Evidence for the Direct Interaction Between Methylene Blue and Guanine Bases Using DNA-Modified Carbon Paste Electrodes. *Electroanalysis*, **2002**, 14, 1299-1302	3	159
212	MOF derived Ni-Co-S nanosheets on electrochemically activated carbon cloth via an etching/ion exchange method for wearable hybrid supercapacitors. *Chemical Engineering Journal*, **2019**, 371, 461-469	14.7	145

211	Sub-ppt detection limits for copper ions with Gly-Gly-His modified electrodes. *Chemical Communications*, **2001**, 1982-3	5.8	145
210	New Gold Nanostructures for Sensor Applications: A Review. *Materials*, **2014**, 7, 5169-5201	3.5	133
209	Superelastic and Arbitrary-Shaped Graphene Aerogels with Sacrificial Skeleton of Melamine Foam for Varied Applications. *Advanced Functional Materials*, **2018**, 28, 1704674	15.6	116
208	Exploring the use of the tripeptide Gly-Gly-his as a selective recognition element for the fabrication of electrochemical copper sensors. *Analyst, The*, **2003**, 128, 712-8	5	105
207	Ball milling: a green mechanochemical approach for synthesis of nitrogen doped carbon nanoparticles. *Nanoscale*, **2013**, 5, 7970-6	7.7	104
206	Opening Lids: Modulation of Lipase Immobilization by Graphene Oxides. *ACS Catalysis*, **2016**, 6, 4760-4768	10.1	103
205	Electrochemical Metal Ion Sensors. Exploiting Amino Acids and Peptides as Recognition Elements. *Sensors*, **2001**, 1, 75-90	3.8	103
204	Diatoms: self assembled silica nanostructures, and templates for bio/chemical sensors and biomimetic membranes. *Analyst, The*, **2011**, 136, 42-53	5	102
203	Highly Conductive Ti C T MXene Hybrid Fibers for Flexible and Elastic Fiber-Shaped Supercapacitors. *Small*, **2019**, 15, e1804732	11	98
202	Reverse synthesis of star anise-like cobalt doped Cu-MOF/Cu2+1O hybrid materials based on a Cu(OH)2 precursor for high performance supercapacitors. *Journal of Materials Chemistry A*, **2019**, 7, 3815-3827	13	97
201	Self-assembly of functional, amphipathic amyloid monolayers by the fungal hydrophobin EAS. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E804-11	11.5	97
200	Interleukin-10 inhibits bone resorption: a potential therapeutic strategy in periodontitis and other bone loss diseases. *BioMed Research International*, **2014**, 2014, 284836	3	89
199	Recent advances in cobalt phosphide based materials for energy-related applications. *Journal of Materials Chemistry A*, **2017**, 5, 22913-22932	13	88
198	Fast Colorimetric Detection of Copper Ions Using L-Cysteine Functionalized Gold Nanoparticles. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 712-716	1.3	88
197	Fast and scalable wet-spinning of highly conductive PEDOT:PSS fibers enables versatile applications. *Journal of Materials Chemistry A*, **2019**, 7, 6401-6410	13	85
196	One-Step Synthesis of Boron Nitride Quantum Dots: Simple Chemistry Meets Delicate Nanotechnology. *Chemistry - A European Journal*, **2016**, 22, 18899-18907	4.8	81
195	MXene: a potential candidate for yarn supercapacitors. *Nanoscale*, **2017**, 9, 18604-18608	7.7	81
194	Novel sphene coatings on Ti-6Al-4V for orthopedic implants using sol-gel method. *Acta Biomaterialia*, **2008**, 4, 569-76	10.8	80

193	Graphene oxide decorated diatom silica particles as new nano-hybrids: towards smart natural drug microcarriers. *Journal of Materials Chemistry B*, **2013**, 1, 6302-6311	7.3	79
192	CoS2 nanoneedle array on Ti mesh: A stable and efficient bifunctional electrocatalyst for urea-assisted electrolytic hydrogen production. *Electrochimica Acta*, **2017**, 246, 776-782	6.7	73
191	Additive-Free MXene Liquid Crystals and Fibers. *ACS Central Science*, **2020**, 6, 254-265	16.8	73
190	Zn-Ni-Co trimetallic carbonate hydroxide nanothorns branched on Cu(OH)2 nanorods array based on Cu foam for high-performance asymmetric supercapacitors. *Journal of Power Sources*, **2019**, 437, 226897	8.9	71
189	Self-assembly of core-satellite gold nanoparticles for colorimetric detection of copper ions. *Analytica Chimica Acta*, **2013**, 803, 128-34	6.6	71
188	Epithelial cell adhesion molecule aptamer functionalized PLGA-lecithin-curcumin-PEG nanoparticles for targeted drug delivery to human colorectal adenocarcinoma cells. *International Journal of Nanomedicine*, **2014**, 9, 1083-96	7.3	65
187	Gold nanoparticles modulate the crosstalk between macrophages and periodontal ligament cells for periodontitis treatment. *Biomaterials*, **2019**, 206, 115-132	15.6	64
186	Biocompatibility of boron nitride nanosheets. *Nano Research*, **2018**, 11, 334-342	10	64
185	Mechanical properties of graphene films enhanced by homo-telechelic functionalized polymer fillers via stacking interactions. *Composites Part A: Applied Science and Manufacturing*, **2015**, 71, 1-8	8.4	64
184	Redox voltammetry of sub-parts per billion levels of Cu2+ at polyaspartate-modified gold electrodes. *Analyst, The*, **2001**, 126, 1573-1577	5	63
183	Preparation of graphene/polymer composites by direct exfoliation of graphite in functionalised block copolymer matrix. *Carbon*, **2013**, 51, 148-155	10.4	62
182	Parameters important in fabricating enzyme electrodes using self-assembled monolayers of alkanethiols. *Analytical Sciences*, **2001**, 17, 3-9	1.7	61
181	RAFT controlled synthesis of graphene/polymer hydrogel with enhanced mechanical property for pH-controlled drug release. *European Polymer Journal*, **2014**, 50, 9-17	5.2	58
180	A novel method to decorate Au clusters onto graphene via a mild co-reduction process for ultrahigh catalytic activity. *Journal of Materials Chemistry A*, **2017**, 5, 230-239	13	58
179	Boron Nitride Nanosheets Improve Sensitivity and Reusability of Surface-Enhanced Raman Spectroscopy. *Angewandte Chemie - International Edition*, **2016**, 55, 8405-9	16.4	58
178	Fabrication of an arbitrary-shaped and nitrogen-doped graphene aerogel for highly compressible all solid-state supercapacitors. *Journal of Materials Chemistry A*, **2017**, 5, 18684-18690	13	57
177	Freezing Titanium Carbide Aqueous Dispersions for Ultra-long-term Storage. *ACS Applied Materials & Interfaces*, **2020**, 12, 34032-34040	9.5	55
176	Fabrication of Cobaltosic Oxide Nanoparticle-Doped 3 D MXene/Graphene Hybrid Porous Aerogels for All-Solid-State Supercapacitors. *Chemistry - A European Journal*, **2019**, 25, 5547-5554	4.8	53

175	DNAzyme Based Nanomachine for in Situ Detection of MicroRNA in Living Cells. *ACS Sensors*, **2017**, 2, 1847-1853	9.2	53
174	pH-Detachable Polymer Brushes Formed Using Titanium□Diol Coordination Chemistry and Living Radical Polymerization (RAFT). *Macromolecules*, **2009**, 42, 2931-2939	5.5	53
173	A molybdenum disulfide/gold nanorod composite-based electrochemical immunosensor for sensitive and quantitative detection of microcystin-LR in environmental samples. *Sensors and Actuators B: Chemical*, **2017**, 244, 606-615	8.5	51
172	Kohlenstoffnanomaterialien f□ Biosensoren: Nanor□ren oder Graphen □was eignet sich besser?. *Angewandte Chemie*, **2010**, 122, 2160-2185	3.6	51
171	Effect of Different Binders on the Electrochemical Performance of Metal Oxide Anode for Lithium-Ion Batteries. *Nanoscale Research Letters*, **2017**, 12, 575	5	50
170	Screen-printable films of graphene/CoS2/Ni3S4 composites for the fabrication of flexible and arbitrary-shaped all-solid-state hybrid supercapacitors. *Carbon*, **2019**, 146, 557-567	10.4	49
169	Graphene nanodots-encaged porous gold electrode fabricated via ion beam sputtering deposition for electrochemical analysis of heavy metal ions. *Sensors and Actuators B: Chemical*, **2015**, 206, 592-600	8.5	49
168	Size-dependent Effects of Gold Nanoparticles on Osteogenic Differentiation of Human Periodontal Ligament Progenitor Cells. *Theranostics*, **2017**, 7, 1214-1224	12.1	49
167	One-step electrochemical strategy for in-situ synthesis of S,N-codoped graphene as metal-free catalyst for oxygen reduction reaction. *Carbon*, **2018**, 134, 316-325	10.4	48
166	Monolithically integrated CoP nanowire array: An on/off switch for effective on-demand hydrogen generation via hydrolysis of NaBH4 and NH3BH3. *Nano Research*, **2017**, 10, 595-604	10	48
165	Graphene modified gold electrode via □stacking interaction for analysis of Cu2+ and Pb2+. *Sensors and Actuators B: Chemical*, **2013**, 178, 426-433	8.5	48
164	Electrochemical synthesis of fractal bimetallic Cu/Ag nanodendrites for efficient surface enhanced Raman spectroscopy. *Chemical Communications*, **2016**, 52, 10968-71	5.8	46
163	Acetylene plasma polymerized surfaces for covalent immobilization of dense bioactive protein monolayers. *Surface and Coatings Technology*, **2009**, 203, 1310-1316	4.4	46
162	A biomimetic sensor for the detection of lead in water. *Biosensors and Bioelectronics*, **2015**, 67, 621-4	11.8	45
161	Using Molecular Level Modification To Tune the Conductivity of Graphene Papers. *Journal of Physical Chemistry C*, **2012**, 116, 17939-17946	3.8	45
160	Facile synthesis of graphene oxide hybrids bridged by copper ions for increased conductivity. *Journal of Materials Chemistry C*, **2013**, 1, 3084	7.1	44
159	A highly conductive porous graphene electrode prepared via in situ reduction of graphene oxide using Cu nanoparticles for the fabrication of high performance supercapacitors. *RSC Advances*, **2015**, 5, 54275-54282	3.7	43
158	Transforming doxorubicin into a cancer stem cell killer via EpCAM aptamer-mediated delivery. *Theranostics*, **2017**, 7, 4071-4086	12.1	43

157	One-step preparation of graphene nanosheets via ball milling of graphite and the application in lithium-ion batteries. *Journal of Materials Science*, **2016**, 51, 3675-3683	4.3	42
156	Homogeneous nickel metal-organic framework microspheres on reduced graphene oxide as novel electrode material for supercapacitors with outstanding performance. *Journal of Colloid and Interface Science*, **2020**, 561, 265-274	9.3	42
155	Flexible coaxial fiber-shaped asymmetric supercapacitors based on manganese, nickel co-substituted cobalt carbonate hydroxides. *Journal of Materials Chemistry A*, **2020**, 8, 1837-1848	13	41
154	Graphene quantum dots and Nafion composite as an ultrasensitive electrochemical sensor for the detection of dopamine. *Analytical Methods*, **2016**, 8, 4912-4918	3.2	41
153	Graphene-Oxide-Based Enzyme Nanoarchitectonics for Substrate Channeling. *Chemistry - A European Journal*, **2017**, 23, 304-311	4.8	40
152	Ultrasensitive enzyme-free electrochemical immunosensor for microcystin-LR using molybdenum disulfide/gold nanoclusters nanocomposites as platform and Au@Pt core-shell nanoparticles as signal enhancer. *Sensors and Actuators B: Chemical*, **2018**, 266, 400-407	8.5	40
151	A facile graft from method to prepare molecular-level dispersed graphene polymer composites. *Journal of Polymer Science Part A*, **2012**, 50, 4423-4432	2.5	40
150	In situ generation of CoS1.097 nanoparticles on S/N co-doped graphene/carbonized foam for mechanically tough and flexible all solid-state supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 11966-11977	13	40
149	Defective Carbon-Doped Boron Nitride Nanosheets for Highly Efficient Electrocatalytic Conversion of N2 to NH3. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5278-5286	8.3	39
148	One-step synthesis of graphene quantum dots from defective CVD graphene and their application in IGZO UV thin film phototransistor. *Carbon*, **2016**, 100, 201-207	10.4	39
147	Self-Assembled Core-Satellite Gold Nanoparticle Networks for Ultrasensitive Detection of Chiral Molecules by Recognition Tunneling Current. *ACS Nano*, **2016**, 10, 5096-103	16.7	39
146	Graphene/tri-block copolymer composites prepared via RAFT polymerizations for dual controlled drug delivery via pH stimulation and biodegradation. *European Polymer Journal*, **2015**, 69, 559-572	5.2	37
145	Soft Nanoarchitectonics for Enantioselective Biosensing. *Accounts of Chemical Research*, **2020**, 53, 644-653	24.3	37
144	Smart multifunctional fluids for lithium ion batteries: enhanced rate performance and intrinsic mechanical protection. *Scientific Reports*, **2013**, 3, 2485	4.9	35
143	Facile construction of MgCo2O4@CoFe layered double hydroxide core-shell nanocomposites on nickel foam for high-performance asymmetric supercapacitors. *Journal of Power Sources*, **2021**, 484, 229288	8.9	33
142	Controlling enzyme function through immobilisation on graphene, graphene derivatives and other two dimensional nanomaterials. *Journal of Materials Chemistry B*, **2018**, 6, 3200-3218	7.3	32
141	Surface functionalization of carbon nanomaterials by self-assembling hydrophobin proteins. *Biopolymers*, **2013**, 99, 84-94	2.2	32
140	Ionic Liquid-assisted Synthesis of Polyaniline/Gold Nanocomposite and Its Biocatalytic Application. *Nanoscale Research Letters*, **2008**, 3, 468-472	5	32

139	A Pb2+-ion electrochemical biosensor based on single-stranded DNAzyme catalytic beacon. *Sensors and Actuators B: Chemical*, **2016**, 222, 1083-1089	8.5	31
138	Cobalt/Nickel Ions-Assisted Synthesis of Laminated CuO Nanospheres Based on Cu(OH) Nanorod Arrays for High-Performance Supercapacitors. *ACS Applied Materials & Interfaces*, **2020**, 12, 2591-2600	8.5	31
137	Mechanochemistry: A force in disguise and conditional effects towards chemical reactions. *Chemical Communications*, **2021**, 57, 1080-1092	5.8	31
136	On-site determination of Pb2+ and Cd2+ in seawater by double stripping voltammetry with bismuth-modified working electrodes. *Microchemical Journal*, **2016**, 126, 280-286	4.8	30
135	Attachment of magnetic molecules on a nanoSQUID. *Nanotechnology*, **2008**, 19, 285303	3.4	30
134	Improving the rate capability of ultrathin NiCo-LDH nanoflakes and FeOOH nanosheets on surface electrochemically modified graphite fibers for flexible asymmetric supercapacitors. *Journal of Colloid and Interface Science*, **2020**, 560, 237-246	9.3	30
133	Probing the tunable surface chemistry of graphene oxide. *Chemical Communications*, **2015**, 51, 10969-72	5.8	29
132	Hierarchical trimetallic sulfide FeCo2S4@NiCo2S4 nanosheet arrays supported on a Ti mesh: An efficient 3D bifunctional electrocatalyst for full water splitting. *Electrochimica Acta*, **2020**, 340, 135957	6.7	29
131	Investigation of Self-assembled Monolayer by Atom Probe Microscopy. *Microscopy and Microanalysis*, **2009**, 15, 272-273	0.5	29
130	Benchmarking Three Ruthenium Phosphide Phases for Electrocatalysis of the Hydrogen Evolution Reaction: Experimental and Theoretical Insights. *Chemistry - A European Journal*, **2019**, 25, 7826-7830	4.8	28
129	Protein electrochemistry using graphene-based nano-assembly: an ultrasensitive electrochemical detection of protein molecules via nanoparticle-electrode collisions. *Chemical Communications*, **2014**, 50, 8197-200	5.8	28
128	Ultrasensitive electrochemical biosensor for silver ion based on magnetic nanoparticles labeling with hybridization chain reaction amplification strategy. *Sensors and Actuators B: Chemical*, **2017**, 249, 431-438	8.5	27
127	Boron Radicals Identified as the Source of the Unexpected Catalysis by Boron Nitride Nanosheets. *ACS Nano*, **2019**, 13, 1394-1402	16.7	27
126	Recent Advancement of Biosensor Technology for the Detection of Microcystin-LR. *Bulletin of the Chemical Society of Japan*, **2020**, 93, 637-646	5.1	26
125	Bio-conjugation of antioxidant peptide on surface-modified gold nanoparticles: a novel approach to enhance the radical scavenging property in cancer cell. *Cancer Nanotechnology*, **2016**, 7, 1	7.9	26
124	Atom probe microscopy of self-assembled monolayers: preliminary results. *Langmuir*, **2010**, 26, 5291-4	4	26
123	An acetylcholinesterase inhibition biosensor based on a reduced graphene oxide/silver nanocluster/chitosan nanocomposite for detection of organophosphorus pesticides. *Analytical Methods*, **2015**, 7, 6213-6219	3.2	25
122	Preparation and characterization of the hydrogen storage activated carbon from coffee shell by microwave irradiation and KOH activation. *International Biodeterioration and Biodegradation*, **2016**, 113, 386-390	4.8	25

121	Non-covalent surface modification of boron nitride nanotubes for enhanced catalysis. *Chemical Communications*, **2014**, 50, 225-7	5.8	25
120	Simple and signal-off electrochemical biosensor for mercury(II) based on thymine-mercury-thymine hybridization directly on graphene. *Electrochimica Acta*, **2015**, 170, 210-217	6.7	25
119	A nanoscale SQUID operating at high magnetic fields. *Nanotechnology*, **2011**, 22, 455501	3.4	25
118	Chemisorbed and Physisorbed Structures for 1,10-Phenanthroline and Dipyrido[3,2-a:2□B□]phenazine on Au(111). *Journal of Physical Chemistry C*, **2007**, 111, 17285-17296	3.8	25
117	Stepwise synthesis of Gly-Gly-His on gold surfaces modified with mixed self-assembled monolayers. *Langmuir*, **2005**, 21, 260-5	4	25
116	Electrochemical Evidences of Chiral Molecule Recognition Using L/D-Cysteine Modified Gold Electrodes. *Electrochimica Acta*, **2017**, 237, 22-28	6.7	24
115	Facile fabrication of supercapacitors with high rate capability using graphene/nickel foam electrode. *Electrochimica Acta*, **2016**, 209, 85-94	6.7	24
114	A novel graphene nanodots inlaid porous gold electrode for electrochemically controlled drug release. *Talanta*, **2016**, 147, 184-92	6.2	23
113	Graphene quantum dots directly generated from graphite via magnetron sputtering and the application in thin-film transistors. *Carbon*, **2015**, 88, 225-232	10.4	23
112	Graphene nanodots encaged 3-D gold substrate as enzyme loading platform for the fabrication of high performance biosensors. *Sensors and Actuators B: Chemical*, **2015**, 220, 1186-1195	8.5	23
111	Single-walled carbon nanotubes with DNA recognition. *Chemical Physics Letters*, **2007**, 443, 169-172	2.5	23
110	Human □defensin 3-combined gold nanoparticles for enhancement of osteogenic differentiation of human periodontal ligament cells in inflammatory microenvironments. *International Journal of Nanomedicine*, **2018**, 13, 555-567	7.3	23
109	Tunnelling current recognition through core-satellite gold nanoparticles for ultrasensitive detection of copper ions. *Chemical Communications*, **2015**, 51, 2921-4	5.8	22
108	A Bunch-like Copper Oxide Nanowire Array as an Efficient, Durable, and Economical Catalyst for the Methanolysis of Ammonia Borane. *ChemCatChem*, **2018**, 10, 710-715	5.2	22
107	Synthesis and growth of hematite nanodiscs through a facile hydrothermal approach. *Journal of Nanoparticle Research*, **2010**, 12, 877-893	2.3	22
106	Co-reactant Electrogenerated Chemiluminescence of Iridium(III) Complexes Containing an Acetylacetonate Ligand. *ChemElectroChem*, **2017**, 4, 1797-1808	4.3	21
105	Enzyme-free fluorescent detection of microcystin-LR using hairpin DNA-templated copper nanoclusters as signal indicator. *Talanta*, **2019**, 202, 279-284	6.2	21
104	One-pot facile synthesis of platinum nanoparticle decorated reduced graphene oxide composites and their application in electrochemical detection of rutin. *Analytical Methods*, **2015**, 7, 3581-3586	3.2	21

103	Cobalt Carbonate Hydroxide Nanowire Array on Ti Mesh: An Efficient and Robust 3D Catalyst for On-Demand Hydrogen Generation from Alkaline NaBH Solution. *Chemistry - A European Journal*, **2016**, 22, 14831-14835	4.8	21
102	Nano-Enabled sensors for detection of arsenic in water. *Water Research*, **2021**, 188, 116538	12.5	21
101	Microencapsulation of lipase produced omega-3 concentrates resulted in complex coacervates with unexpectedly high oxidative stability. *Journal of Functional Foods*, **2017**, 35, 499-506	5.1	20
100	Synthesis and characterization of surface-enhanced Raman-scattered gold nanoparticles. *International Journal of Nanomedicine*, **2013**, 8, 4327-38	7.3	19
99	Bioanalytical Experiments for the Undergraduate Laboratory: Monitoring Glucose in Sports Drinks. *Journal of Chemical Education*, **2001**, 78, 788	2.4	19
98	Synthesis of petaloid and origami-lantern shaped MnO2/Co2CH@C hierarchical core-shell nanorod arrays for portable asymmetric supercapacitor. *Composites Part B: Engineering*, **2021**, 215, 108756	10	19
97	Promising biomass-derived activated carbon and gold nanoparticle nanocomposites as a novel electrode material for electrochemical detection of rutin. *RSC Advances*, **2016**, 6, 90446-90454	3.7	19
96	Electrochemical biosensor for silver ions based on amplification of DNA□u bio□ar codes and silver enhancement. *Journal of Electroanalytical Chemistry*, **2017**, 785, 117-124	4.1	18
95	Insight into Catalytic Mechanisms for the Reduction of Nitrophenol via Heterojunctions of Gold Nanoclusters on 2D Boron Nitride Nanosheets. *ChemNanoMat*, **2019**, 5, 784-791	3.5	18
94	Nickel-Borate/Reduced Graphene Oxide Nanohybrid: A Robust and Efficient Electrocatalyst for Oxygen Evolution Reaction in Alkaline and Near Neutral Media. *ChemCatChem*, **2018**, 10, 2826-2832	5.2	18
93	Switching off the interactions between graphene oxide and doxorubicin using vitamin C: combining simplicity and efficiency in drug delivery. *Journal of Materials Chemistry B*, **2018**, 6, 1251-1259	7.3	18
92	The Influence of Graphene on the Electrical Communication Through Organic Layers on Graphite and Gold Electrodes. *Electroanalysis*, **2014**, 26, 84-92	3	18
91	One-side non-covalent modification of CVD graphene sheet using pyrene-terminated PNIPAAm generated via RAFT polymerization for the fabrication of thermo-responsive actuators. *Sensors and Actuators B: Chemical*, **2017**, 239, 193-202	8.5	17
90	Self-Assembly of Gold Nanowires along Carbon Nanotubes for Ultrahigh-Aspect-Ratio Hybrids. *Chemistry of Materials*, **2011**, 23, 2760-2765	9.6	17
89	Multilayered and hierarchical structured NiCo double hydroxide nanosheets generated on porous MgCo2O4 nanowire arrays for high performance supercapacitors. *Applied Surface Science*, **2021**, 546, 149133	6.7	17
88	MgCoO@NiMn layered double hydroxide core-shell nanocomposites on nickel foam as superior electrode for all-solid-state asymmetric supercapacitors. *Journal of Colloid and Interface Science*, **2021**, 592, 455-467	9.3	17
87	Single Molecule Conductance through Rigid Norbornylogous Bridges with Zero Average Curvature. *Journal of Physical Chemistry C*, **2008**, 112, 9072-9080	3.8	16
86	Immobilisation of microperoxidase-11 into layered MoO3 for applications of enzymatic conversion. *Applied Materials Today*, **2019**, 16, 185-192	6.6	15

85	Lipase-catalysed synthesis of palm oil-omega-3 structured lipids. *Food and Function*, **2019**, 10, 3142-3149	6.1	15
84	Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy: An analytical technique to understand therapeutic responses at the molecular level. *Scientific Reports*, **2015**, 5, 16649	4.9	15
83	A simple and large-scale method to prepare flexible hollow graphene fibers for a high-performance all-solid fiber supercapacitor. *New Journal of Chemistry*, **2017**, 41, 11792-11799	3.6	14
82	A nitrogenous pre-intercalation strategy for the synthesis of nitrogen-doped Ti3C2Tx MXene with enhanced electrochemical capacitance. *Journal of Materials Chemistry A*, **2021**, 9, 6393-6401	13	14
81	Nanogold Flower-Inspired Nanoarchitectonics Enables Enhanced Light-to-Heat Conversion Ability for Rapid and Targeted Chemo-Photothermal Therapy of a Tumor. *Advanced Healthcare Materials*, **2019**, 8, e1801300	10.1	13
80	Real-time electrochemical monitoring of covalent bond formation in solution via nanoparticle-electrode collisions. *Chemical Communications*, **2015**, 51, 16349-52	5.8	13
79	Anchovy oil microcapsule powders prepared using two-step complex coacervation between gelatin and sodium hexametaphosphate followed by spray drying. *Powder Technology*, **2019**, 358, 68-78	5.2	13
78	Ammonia nitrogen removal from aqueous solution using functionalized zeolite columns. *Desalination and Water Treatment*, **2014**, 52, 753-758		13
77	Controlled synthesis and characterization of 10□hm thick Al2O3 nanowires. *Materials Letters*, **2009**, 63, 1016-1018	3.3	13
76	Wafer-scale fabrication of a Cu/graphene double-nanocap array for surface-enhanced Raman scattering substrates. *Chemical Communications*, **2017**, 53, 3273-3276	5.8	12
75	Boron Nitride Nanosheets Improve Sensitivity and Reusability of Surface-Enhanced Raman Spectroscopy. *Angewandte Chemie*, **2016**, 128, 8545-8549	3.6	12
74	Self-supported Cu(OH)@CoCO(OH) core-shell nanowire array as a robust catalyst for ammonia-borane hydrolysis. *Nanotechnology*, **2017**, 28, 045606	3.4	11
73	Monitoring the Dynamic Process of Formation of Plasmonic Molecular Junctions during Single Nanoparticle Collisions. *Small*, **2018**, 14, e1704164	11	11
72	Research on Three-Dimensional Stress Distribution of Reactor Core. *IEEE Transactions on Applied Superconductivity*, **2016**, 26, 1-4	1.8	11
71	The Influence of Inflammatory Cytokines on the Proliferation and Osteoblastic Differentiation of MSCs. *Current Stem Cell Research and Therapy*, **2017**, 12, 401-408	3.6	11
70	In situ embedding of cobalt sulfide quantum dots among transition metal layered double hydroxides for high performance all-solid-state asymmetric supercapacitors. *Journal of Materials Chemistry A*,	13	11
69	Direct transfer of graphene and application in low-voltage hybrid transistors. *RSC Advances*, **2017**, 7, 2172-2179	3.7	10
68	FeCoNi Sulfides Derived From Sulfurization of Precursor Oxides as Oxygen Evolution Reaction Catalyst. *Frontiers in Chemistry*, **2020**, 8, 334	5	10

67	Facile fluorescence strategy for sensitive detection of microcystin-LR based on dsDNA-templated copper nanoclusters. *Analytical Methods*, **2020**, 12, 1752-1758	3.2	10
66	Well-controlled preparation of evenly distributed nanoporous HOPG surface via diazonium salt assisted electrochemical etching process. *Carbon*, **2016**, 102, 419-425	10.4	10
65	Characterization and Molecular Mechanism of Peptide-Conjugated Gold Nanoparticle Inhibiting p53-HDM2 Interaction in Retinoblastoma. *Molecular Therapy - Nucleic Acids*, **2017**, 9, 349-364	10.7	10
64	Analysis of self-assembled monolayer interfaces by electrospray mass spectrometry: a gentle approach. *Analytical Chemistry*, **2003**, 75, 6741-4	7.8	10
63	Challenges and solutions in surface engineering and assembly of boron nitride nanosheets. *Materials Today*, **2021**, 44, 194-210	21.8	10
62	Gold Nanoparticles Promote the Bone Regeneration of Periodontal Ligament Stem Cell Sheets Through Activation of Autophagy. *International Journal of Nanomedicine*, **2021**, 16, 61-73	7.3	10
61	Ultrafast generation of highly crystalline graphene quantum dots from graphite paper via laser writing. *Journal of Colloid and Interface Science*, **2021**, 594, 460-465	9.3	9
60	Simple and cost-effective determination of ciprofloxacin hydrochloride by electrical micro-titration. *Chinese Chemical Letters*, **2017**, 28, 1406-1412	8.1	8
59	Double stranded DNA-templated copper nanoclusters as a novel fluorescent probe for label-free detection of rutin. *Analytical Methods*, **2019**, 11, 3584-3589	3.2	7
58	Azide photochemistry for facile modification of graphitic surfaces: preparation of DNA-coated carbon nanotubes for biosensing. *Nanotechnology*, **2012**, 23, 425503	3.4	7
57	Direct Observation of Amide Bond Formation in a Plasmonic Nanocavity Triggered by Single Nanoparticle Collisions. *Journal of the American Chemical Society*, **2021**, 143, 9781-9790	16.4	7
56	Electrochemical detection of DNA by formation of efficient electron transfer pathways through adsorbing gold nanoparticles to DNA modified electrodes. *Microchemical Journal*, **2021**, 169, 106581	4.8	7
55	Fast colorimetric detection of copper ions using L-cysteine functionalized gold nanoparticles. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 712-6	1.3	7
54	Electrochemical selective detection of carnitine enantiomers coupling copper ion dependent DNAzyme with DNA assistant hybridization chain reaction. *Journal of Electroanalytical Chemistry*, **2019**, 837, 137-142	4.1	6
53	Novel reversible and switchable electrolytes based on magneto-rheology. *Scientific Reports*, **2015**, 5, 15663	4.9	6
52	The study of adsorption mechanism of mixed pesticides prometryne-acetochlor in the soil–water system. *International Biodeterioration and Biodegradation*, **2015**, 102, 281-285	4.8	6
51	A self-enhanced and recyclable catalytic system constructed from magnetic bi-nano-bionic enzymes for real-time control of RAFT polymerization. *Journal of Materials Chemistry C*, **2020**, 8, 1301-1308	7.1	6
50	Solvent Effect on Supramolecular Self-Assembly of Chlorophylls a on Chemically Reduced Graphene Oxide. *Langmuir*, **2020**, 36, 13575-13582	4	6

49	The TiO (B) nano-belts with excellent performance prepared via alkaline stirring hydrothermal method and its application to remove 17α-ethynylestradiol. *Environmental Science and Pollution Research*, **2019**, 26, 34018-34026	5.1	6
48	The comparative study of two reusable phosphotungstic acid salts/reduced graphene oxides composites with enhanced photocatalytic activity. *Environmental Science and Pollution Research*, **2019**, 26, 34248-34260	5.1	5
47	Investigating the Mechanism for the Enhanced Oxidation Stability of Microencapsulated Omega-3 Concentrates. *Marine Drugs*, **2019**, 17,	6	5
46	Quantifying the Tunable Conjugated Area of Graphene Oxide by Using Pyrene as a Fluorescent Probe. *Chemistry - A European Journal*, **2016**, 22, 18881-18886	4.8	5
45	Monitoring acid-base, precipitation, complexation and redox titrations by a capacitively coupled contactless conductivity detector. *Measurement: Journal of the International Measurement Confederation*, **2018**, 116, 458-463	4.6	5
44	A sensitive electrochemical assay for T4 polynucleotide kinase activity based on titanium dioxide nanotubes and a rolling circle amplification strategy.. *RSC Advances*, **2018**, 8, 38436-38444	3.7	5
43	Design of Enzyme Micelles with Controllable Concavo-Convex Micromorphologies for Highly Enhanced Stability and Catalytical Activity. *Macromolecular Bioscience*, **2018**, 18, 1700312	5.5	4
42	Controllable graphene oxide mediated efficient electron transfer pathways across self-assembly monolayers: A new class of graphene based electrodes. *Electrochimica Acta*, **2016**, 210, 539-547	6.7	4
41	Analysis of residues of prometryne and acetochlor in soil–water system by solid-phase extraction and gas chromatography/mass spectrometry. *Desalination and Water Treatment*, **2014**, 52, 1177-1182		4
40	Magnetotransport dependence on the field magnitude and direction in large area epitaxial graphene film on stretchable substrates. *Applied Physics Letters*, **2013**, 102, 092405	3.4	4
39	A fluorescent probe based on tryptophan-coated silver nanoclusters for copper (II) ions detection and bioimaging in cells. *Microchemical Journal*, **2022**, 175, 107222	4.8	4
38	The study on triazophos adsorption behavior on the multi-walled carbon nanotubes96, 97-103		4
37	Quantifying Graphene Oxide Reduction Using Spectroscopic Techniques: A Chemometric Analysis. *Applied Spectroscopy*, **2018**, 72, 1764-1773	3.1	4
36	Simultaneously 'pushing' and 'pulling' graphene oxide into low-polar solvents through a designed interface. *Nanotechnology*, **2018**, 29, 315707	3.4	4
35	l-cysteine-modified chiral gold nanoparticles promote periodontal tissue regeneration. *Bioactive Materials*, **2021**, 6, 3288-3299	16.7	4
34	Preparation and adsorption of phosphorus by new heteropolyacid salt–lanthanum oxide composites. *Desalination and Water Treatment*, **2016**, 57, 7874-7880		3
33	The influence of 2D nanomaterials on electron transfer across molecular thin films. *Molecular Systems Design and Engineering*, **2019**, 4, 431-436	4.6	3
32	Flower-like nanosheets directly grown on Co foil as efficient bifunctional catalysts for overall water splitting. *Journal of Colloid and Interface Science*, **2021**, 587, 650-660	9.3	3

31	Assembly of gold nanorods with L-cysteine reduced graphene oxide for highly efficient NIR-triggered photothermal therapy. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 266, 120458	4.4	3
30	Case studies on illegal production of ephedrine/pseudoephedrine within Fujian China. *Forensic Science International*, **2020**, 312, 110326	2.6	2
29	Photocatalytic degradation of bisphenol A by HMS/g-C3N4 composite. *Desalination and Water Treatment*, **2016**, 57, 29509-29516		2
28	Determination of Ascorbic Acid by a Gold□Zinc Oxide Nanoparticle-Modified Glassy Carbon Electrode. *Analytical Letters*, **2016**, 49, 2207-2222	2.2	2
27	Direct synthesis and strong cathodoluminescence of Al2O3 nanotubes. *Materials Chemistry and Physics*, **2010**, 120, 240-243	4.4	2
26	Synthesis of nitrogen-sulfur co-doped Ti3C2T MXene with enhanced electrochemical properties. *Materials Reports Energy*, **2022**, 100079		2
25	2D Active Nanobots Based on Soft Nanoarchitectonics Powered by an Ultralow Fuel Concentration.. *Angewandte Chemie - International Edition*, **2021**,	16.4	2
24	A Sensitive Electrochemical Assay for T4 Polynucleotide Kinase Activity Based on Fe3O4@TiO2 And Gold Nanoparticles Hybrid Probe Modified Magnetic Electrode. *Journal of the Electrochemical Society*, **2022**, 169, 027504	3.9	2
23	An Efficient Solvent- and Catalyst-Free Synthesis of Bicyclic Pyridones with High Molecular Diversity via Cascade Reaction. *Heterocycles*, **2018**, 96, 311	0.8	2
22	Innenr□ktitelbild: Boron Nitride Nanosheets Improve Sensitivity and Reusability of Surface-Enhanced Raman Spectroscopy (Angew. Chem. 29/2016). *Angewandte Chemie*, **2016**, 128, 8597-8597	3.6	2
21	The comparative study of two kinds of □BiO/TiO binary composite and their removal of 17?-ethynylestradiol. *Environmental Science and Pollution Research*, **2020**, 27, 24692-24701	5.1	2
20	A Cu(II)-triggered release system by L-cysteine functionalized gold nanoparticles for □n-demand□ molecular delivery and bioimaging in cells. *Molecular Systems Design and Engineering*,	4.6	2
19	Ultrathin 2D Titanium Carbide MXene (Ti C T) Nanoflakes Activate WNT/HIF-1□Mediated Metabolism Reprogramming for Periodontal Regeneration. *Advanced Healthcare Materials*, **2021**, 10, e2101215	10.1	2
18	In-situ formation of □Co(OH)2 nanosheet arrays on magnesium cobaltate nanowires for hybrid supercapacitors with enhanced electrochemical performance. *Applied Surface Science*, **2021**, 568, 150856	6.7	2
17	Self-assembly of ultrathin gold nanowires and single walled carbon nanotubes as a highly sensitive substrate for surface enhanced Raman spectroscopy. *New Journal of Chemistry*, **2016**, 40, 7286-7289	3.6	1
16	Vacancy engineering of oxidized Nb2CTx MXenes for a biased nitrogen fixation. *Green Energy and Environment*, **2022**,	5.7	1
15	2D Active Nanobots Based on Soft Nanoarchitectonics Powered by an Ultralow Fuel Concentration. *Angewandte Chemie*, **2022**, 134, e202113801	3.6	1
14	Water-based asymmetric supercapacitors with 2.5 V wide potential and high energy density based on Na0.6CoO2 nanoarray formed via electrochemical oxidation. *Carbon*, **2022**, 189, 81-92	10.4	1

13	In Situ Synthesis of CoCeS Bimetallic Sulfide Nanoparticles on a Bi-Pyrene Terminated Molecular Wire Modified Graphene Surface for Supercapacitors. *Chemistry - A European Journal*, **2021**, 27, 17402-17411	4.8	1
12	Simultaneous determination of 10 new psychoactive piperazine derivatives in urine using ultrasound-assisted low-density solvent dispersive liquid-liquid microextraction combined with gas chromatography-tandem mass spectrometry. *Journal of Forensic Sciences*, **2021**, 66, 748-757	1.8	1
11	Synthesis and characterization of silk fibroin-bioactive glass hybrid xerogels. *Biomaterials and Biomechanics in Bioengineering*, **2014**, 1, 63-71		1
10	Gold Nanoparticles Combined Human β-Defensin 3 Gene-Modified Human Periodontal Ligament Cells Alleviate Periodontal Destruction the p38 MAPK Pathway. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 631191	5.8	1
9	Effect of Triton X-100 on the Activity and Selectivity of Lipase Immobilized on Chemically Reduced Graphene Oxides. *Langmuir*, **2021**, 37, 9202-9214	4	1
8	Electrochemical detection of T4 polynucleotide kinase activity based on magnetic FeO@TiO nanoparticles triggered by a rolling circle amplification strategy.. *Talanta*, **2022**, 241, 123272	6.2	0
7	Effects of gold nanoparticles combined with human β-defensin 3 on the alveolar bone loss of periodontitis in rat. *BioMedical Engineering OnLine*, **2021**, 20, 115	4.1	0
6	Arsenic ion assisted core–satellites nano-assembly of gold nanoparticles for its colorimetric determination in water. *Journal of Water Process Engineering*, **2022**, 102833	6.7	0
5	A novel fluorescent "OFF-ON" sensing strategy for Hg (II) in water based on functionalized gold nanoparticles. *Chemosphere*, **2022**, 303, 135174	8.4	0
4	Graphene-Oxide-Based Enzyme Nanoarchitectonics for Substrate Channeling. *Chemistry - A European Journal*, **2017**, 23, 223-223	4.8	
3	Chemo-Photothermal Therapy: Nanogold Flower-Inspired Nanoarchitectonics Enables Enhanced Light-to-Heat Conversion Ability for Rapid and Targeted Chemo-Photothermal Therapy of a Tumor (Adv. Healthcare Mater. 8/2019). *Advanced Healthcare Materials*, **2019**, 8, 1970034	10.1	
2	In vitro studies of cells grown on the superconductor PrO(x)FeAs. *Micron*, **2009**, 40, 476-9	2.3	
1	Scanning Tunnelling Microscopy-Based Break Junction as a Tool in Rapid Measurement of Single-Molecule Conductance. *Australian Journal of Chemistry*, **2008**, 61, 920	1.2	