

Wenrong Yang

List of Publications by Year in descending order

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240
papers

15,833
citations

17405

63
h-index

19690

117
g-index

250
all docs

250
docs citations

250
times ranked

20674
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Nanomaterials in Biosensors: Should You Use Nanotubes or Graphene?. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2114-2138.	7.2	1,301
2	Protein Electrochemistry Using Aligned Carbon Nanotube Arrays. <i>Journal of the American Chemical Society</i> , 2003, 125, 9006-9007.	6.6	853
3	Scalable Manufacturing of Free-Standing, Strong Ti ₃ C ₂ T _x MXene Films with Outstanding Conductivity. <i>Advanced Materials</i> , 2020, 32, e2001093.	11.1	613
4	Self-Assembled Monolayers into the 21st Century: Recent Advances and Applications. <i>Electroanalysis</i> , 2003, 15, 81-96.	1.5	547
5	Carbon nanotubes for biological and biomedical applications. <i>Nanotechnology</i> , 2007, 18, 412001.	1.3	522
6	Dispersing Carbon Nanotubes with Graphene Oxide in Water and Synergistic Effects between Graphene Derivatives. <i>Chemistry - A European Journal</i> , 2010, 16, 10653-10658.	1.7	373
7	Controllable corrugation of chemically converted graphene sheets in water and potential application for nanofiltration. <i>Chemical Communications</i> , 2011, 47, 5810.	2.2	296
8	Toward Ubiquitous Environmental Gas Sensors—Capitalizing on the Promise of Graphene. <i>Environmental Science & Technology</i> , 2010, 44, 1167-1176.	4.6	266
9	Characterisation of gold electrodes modified with self-assembled monolayers of l-cysteine for the adsorptive stripping analysis of copper. <i>Journal of Electroanalytical Chemistry</i> , 2001, 516, 10-16.	1.9	256
10	Graphene and Related Materials in Electrochemical Sensing. <i>Electroanalysis</i> , 2011, 23, 803-826.	1.5	256
11	CoP ₂ nanoparticles on reduced graphene oxide sheets as a super-efficient bifunctional electrocatalyst for full water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4686-4690.	5.2	242
12	MOF derived Ni-Co-S nanosheets on electrochemically activated carbon cloth via an etching/ion exchange method for wearable hybrid supercapacitors. <i>Chemical Engineering Journal</i> , 2019, 371, 461-469.	6.6	239
13	Hierarchical coral-like NiMoS nano hybrids as highly efficient bifunctional electrocatalysts for overall urea electrolysis. <i>Nano Research</i> , 2018, 11, 988-996.	5.8	236
14	Thermosensitive graphene nanocomposites formed using pyrene-terminal polymers made by RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2010, 48, 425-433.	2.5	215
15	Synthesis, Characterization, and Multilayer Assembly of pH Sensitive Graphene~Polymer Nanocomposites. <i>Langmuir</i> , 2010, 26, 10068-10075.	1.6	204
16	Molecularly engineered graphene surfaces for sensing applications: A review. <i>Analytica Chimica Acta</i> , 2015, 859, 1-19.	2.6	192
17	Additive-Free MXene Liquid Crystals and Fibers. <i>ACS Central Science</i> , 2020, 6, 254-265.	5.3	182
18	Evidence for the Direct Interaction Between Methylene Blue and Guanine Bases Using DNA-Modified Carbon Paste Electrodes. <i>Electroanalysis</i> , 2002, 14, 1299-1302.	1.5	181

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19	Highly Conductive Ti ₃ C ₂ T _x MXene Hybrid Fibers for Flexible and Elastic Fiber-Shaped Supercapacitors. <i>Small</i> , 2019, 15, e1804732.	5.2	171
20	New Gold Nanostructures for Sensor Applications: A Review. <i>Materials</i> , 2014, 7, 5169-5201.	1.3	163
21	Sub-ppt detection limits for copper ions with Gly-Gly-His modified electrodes. <i>Chemical Communications</i> , 2001, , 1982-1983.	2.2	157
22	Superelastic and Arbitrary-Shaped Graphene Aerogels with Sacrificial Skeleton of Melamine Foam for Varied Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1704674.	7.8	155
23	Reverse synthesis of star anise-like cobalt doped Cu-MOF/Cu ₂ O hybrid materials based on a Cu(OH) ₂ precursor for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3815-3827.	5.2	153
24	Ball milling: a green mechanochemical approach for synthesis of nitrogen doped carbon nanoparticles. <i>Nanoscale</i> , 2013, 5, 7970.	2.8	149
25	Opening Lids: Modulation of Lipase Immobilization by Graphene Oxides. <i>ACS Catalysis</i> , 2016, 6, 4760-4768.	5.5	139
26	Gold nanoparticles modulate the crosstalk between macrophages and periodontal ligament cells for periodontitis treatment. <i>Biomaterials</i> , 2019, 206, 115-132.	5.7	139
27	Freezing Titanium Carbide Aqueous Dispersions for Ultra-long-term Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34032-34040.	4.0	136
28	Fast and scalable wet-spinning of highly conductive PEDOT:PSS fibers enables versatile applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6401-6410.	5.2	135
29	Interleukin-10 Inhibits Bone Resorption: A Potential Therapeutic Strategy in Periodontitis and Other Bone Loss Diseases. <i>BioMed Research International</i> , 2014, 2014, 1-5.	0.9	129
30	Exploring the use of the tripeptide Gly-Gly-His as a selective recognition element for the fabrication of electrochemical copper sensors. <i>Analyst</i> , 2003, 128, 712-718.	1.7	127
31	Recent advances in cobalt phosphide based materials for energy-related applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22913-22932.	5.2	121
32	MXene: a potential candidate for yarn supercapacitors. <i>Nanoscale</i> , 2017, 9, 18604-18608.	2.8	119
33	Electrochemical Metal Ion Sensors. Exploiting Amino Acids and Peptides as Recognition Elements. <i>Sensors</i> , 2001, 1, 75-90.	2.1	116
34	Diatoms: Self assembled silicananostructures, and templates for bio/chemical sensors and biomimetic membranes. <i>Analyst</i> , 2011, 136, 42-53.	1.7	114
35	Self-assembly of functional, amphipathic amyloid monolayers by the fungal hydrophobin EAS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E804-11.	3.3	113
36	Mechanochemistry: A force in disguise and conditional effects towards chemical reactions. <i>Chemical Communications</i> , 2021, 57, 1080-1092.	2.2	112

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37	One-Step Synthesis of Boron Nitride Quantum Dots: Simple Chemistry Meets Delicate Nanotechnology. Chemistry - A European Journal, 2016, 22, 18899-18907.	1.7	111
38	Co ₂ S nanoneedle array on Ti mesh: A stable and efficient bifunctional electrocatalyst for urea-assisted electrolytic hydrogen production. Electrochimica Acta, 2017, 246, 776-782.	2.6	104
39	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.	4.0	104
40	Fabrication of Cobaltic Oxide Nanoparticle-Doped 3D MXene/Graphene Hybrid Porous Aerogels for All-State Supercapacitors. Chemistry - A European Journal, 2019, 25, 5547-5554.	1.7	103
41	Biocompatibility of boron nitride nanosheets. Nano Research, 2018, 11, 334-342.	5.8	98
42	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.	5.0	98
43	Graphene oxide decorated diatom silica particles as new nano-hybrids: towards smart natural drug microcarriers. Journal of Materials Chemistry B, 2013, 1, 6302.	2.9	92
44	Fast Colorimetric Detection of Copper Ions Using L-Cysteine Functionalized Gold Nanoparticles. Journal of Nanoscience and Nanotechnology, 2007, 7, 712-716.	0.9	91
45	Novel sphene coatings on Ti-6Al-4V for orthopedic implants using sol-gel method. Acta Biomaterialia, 2008, 4, 569-576.	4.1	90
46	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.	1.7	85
47	Effect of Different Binders on the Electrochemical Performance of Metal Oxide Anode for Lithium-Ion Batteries. Nanoscale Research Letters, 2017, 12, 575.	3.1	85
48	Size-dependent Effects of Gold Nanoparticles on Osteogenic Differentiation of Human Periodontal Ligament Progenitor Cells. Theranostics, 2017, 7, 1214-1224.	4.6	81
49	Self-assembly of core-satellite gold nanoparticles for colorimetric detection of copper ions. Analytica Chimica Acta, 2013, 803, 128-134.	2.6	80
50	DNAzyme Based Nanomachine for <i>In Situ</i> Detection of MicroRNA in Living Cells. ACS Sensors, 2017, 2, 1847-1853.	4.0	77
51	Mechanical properties of graphene films enhanced by homo-telechelic functionalized polymer fillers via π - π stacking interactions. Composites Part A: Applied Science and Manufacturing, 2015, 71, 1-8.	3.8	76
52	Redox voltammetry of sub-parts per billion levels of Cu ²⁺ at polyaspartate-modified gold electrodes. Analyst, The, 2001, 126, 1573-1577.	1.7	74
53	Parameters Important in Fabricating Enzyme Electrodes Using Self-Assembled Monolayers of Alkanethiols.. Analytical Sciences, 2001, 17, 3-9.	0.8	73
54	Boron Nitride Nanosheets Improve Sensitivity and Reusability of Surface-Enhanced Raman Spectroscopy. Angewandte Chemie - International Edition, 2016, 55, 8405-8409.	7.2	73

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55	Fabrication of an arbitrary-shaped and nitrogen-doped graphene aerogel for highly compressible all solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18684-18690.	5.2	73
56	Epithelial cell adhesion molecule aptamer functionalized PLGA-lecithin-curcumin-PEG nanoparticles for targeted drug delivery to human colorectal adenocarcinoma cells. <i>International Journal of Nanomedicine</i> , 2014, 9, 1083.	3.3	72
57	Screen-printable films of graphene/CoS ₂ /Ni ₃ S ₄ composites for the fabrication of flexible and arbitrary-shaped all-solid-state hybrid supercapacitors. <i>Carbon</i> , 2019, 146, 557-567.	5.4	72
58	Transforming doxorubicin into a cancer stem cell killer via EpCAM aptamer-mediated delivery. <i>Theranostics</i> , 2017, 7, 4071-4086.	4.6	70
59	Monolithically integrated CoP nanowire array: An on/off switch for effective on-demand hydrogen generation via hydrolysis of NaBH ₄ and NH ₃ BH ₃ . <i>Nano Research</i> , 2017, 10, 595-604.	5.8	67
60	Flexible coaxial fiber-shaped asymmetric supercapacitors based on manganese, nickel co-substituted cobalt carbonate hydroxides. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1837-1848.	5.2	67
61	Preparation of graphene/polymer composites by direct exfoliation of graphite in functionalised block copolymer matrix. <i>Carbon</i> , 2013, 51, 148-155.	5.4	65
62	RAFT controlled synthesis of graphene/polymer hydrogel with enhanced mechanical property for pH-controlled drug release. <i>European Polymer Journal</i> , 2014, 50, 9-17.	2.6	65
63	A novel method to decorate Au clusters onto graphene via a mild co-reduction process for ultrahigh catalytic activity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 230-239.	5.2	65
64	Soft Nanoarchitectonics for Enantioselective Biosensing. <i>Accounts of Chemical Research</i> , 2020, 53, 644-653.	7.6	65
65	Improving the rate capability of ultrathin NiCo-LDH nanoflakes and FeOOH nanosheets on surface electrochemically modified graphite fibers for flexible asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 237-246.	5.0	63
66	Cobalt/Nickel Ions-Assisted Synthesis of Laminated CuO Nanospheres Based on Cu(OH) ₂ Nanorod Arrays for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2591-2600.	4.0	63
67	One-step electrochemical strategy for in-situ synthesis of S,N-codoped graphene as metal-free catalyst for oxygen reduction reaction. <i>Carbon</i> , 2018, 134, 316-325.	5.4	61
68	Defective Carbon-Doped Boron Nitride Nanosheets for Highly Efficient Electrocatalytic Conversion of N ₂ to NH ₃ . <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5278-5286.	3.2	61
69	<i>In situ</i> embedding of cobalt sulfide quantum dots among transition metal layered double hydroxides for high performance all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22573-22584.	5.2	60
70	A biomimetic sensor for the detection of lead in water. <i>Biosensors and Bioelectronics</i> , 2015, 67, 621-624.	5.3	58
71	Graphene nanodots-encaged porous gold electrode fabricated via ion beam sputtering deposition for electrochemical analysis of heavy metal ions. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 592-600.	4.0	58
72	One-step preparation of graphene nanosheets via ball milling of graphite and the application in lithium-ion batteries. <i>Journal of Materials Science</i> , 2016, 51, 3675-3683.	1.7	58

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73	A molybdenum disulfide/gold nanorod composite-based electrochemical immunosensor for sensitive and quantitative detection of microcystin-LR in environmental samples. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 606-615.	4.0	58
74	Facile construction of MgCo ₂ O ₄ @CoFe layered double hydroxide core-shell nanocomposites on nickel foam for high-performance asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2021, 484, 229288.	4.0	58
75	pH-Detachable Polymer Brushes Formed Using Titanium ^{IV} Diol Coordination Chemistry and Living Radical Polymerization (RAFT). <i>Macromolecules</i> , 2009, 42, 2931-2939.	2.2	57
76	Graphene quantum dots and Nafion composite as an ultrasensitive electrochemical sensor for the detection of dopamine. <i>Analytical Methods</i> , 2016, 8, 4912-4918.	1.3	57
77	Electrochemical synthesis of fractal bimetallic Cu/Ag nanodendrites for efficient surface enhanced Raman spectroscopy. <i>Chemical Communications</i> , 2016, 52, 10968-10971.	2.2	57
78	MgCo ₂ O ₄ @NiMn layered double hydroxide core-shell nanocomposites on nickel foam as superior electrode for all-solid-state asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 455-467.	5.0	57
79	<i>In situ</i> generation of CoS _{1.097} nanoparticles on S/N co-doped graphene/carbonized foam for mechanically tough and flexible all solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11966-11977.	5.2	55
80	Smart Multifunctional Fluids for Lithium Ion Batteries: Enhanced Rate Performance and Intrinsic Mechanical Protection. <i>Scientific Reports</i> , 2013, 3, 2485.	1.6	54
81	Using Molecular Level Modification To Tune the Conductivity of Graphene Papers. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17939-17946.	1.5	53
82	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. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 400-407.	4.0	53
83	Graphene modified gold electrode via π - π stacking interaction for analysis of Cu ²⁺ and Pb ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 426-433.	4.0	52
84	Hierarchical trimetallic sulfide FeCo ₂ S ₄ @NiCo ₂ S ₄ nanosheet arrays supported on a Ti mesh: An efficient 3D bifunctional electrocatalyst for full water splitting. <i>Electrochimica Acta</i> , 2020, 340, 135957.	2.6	52
85	Challenges and solutions in surface engineering and assembly of boron nitride nanosheets. <i>Materials Today</i> , 2021, 44, 194-210.	8.3	52
86	Acetylene plasma polymerized surfaces for covalent immobilization of dense bioactive protein monolayers. <i>Surface and Coatings Technology</i> , 2009, 203, 1310-1316.	2.2	50
87	Controlling enzyme function through immobilisation on graphene, graphene derivatives and other two dimensional nanomaterials. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3200-3218.	2.9	49
88	Facile synthesis of graphene oxide hybrids bridged by copper ions for increased conductivity. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3084.	2.7	48
89	Self-Assembled Core-Satellite Gold Nanoparticle Networks for Ultrasensitive Detection of Chiral Molecules by Recognition Tunneling Current. <i>ACS Nano</i> , 2016, 10, 5096-5103.	7.3	47
90	One-step synthesis of graphene quantum dots from defective CVD graphene and their application in IGZO UV thin film phototransistor. <i>Carbon</i> , 2016, 100, 201-207.	5.4	47

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91	Grapheneâ€Oxideâ€Based Enzyme Nanoarchitectonics for Substrate Channeling. Chemistry - A European Journal, 2017, 23, 304-311.	1.7	47
92	Nanoâ€Enabled sensors for detection of arsenic in water. Water Research, 2021, 188, 116538.	5.3	46
93	A nitrogenous pre-intercalation strategy for the synthesis of nitrogen-doped $Ti_{3-x}C_{2-x}MX_n$ MXene with enhanced electrochemical capacitance. Journal of Materials Chemistry A, 2021, 9, 6393-6401.	5.2	45
94	A facile â€graft fromâ€ method to prepare molecularâ€level dispersed grapheneâ€polymer composites. Journal of Polymer Science Part A, 2012, 50, 4423-4432.	2.5	44
95	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.	2.6	43
96	Multilayered and hierarchical structured NiCo double hydroxide nanosheets generated on porous $MgCo_2O_4$ nanowire arrays for high performance supercapacitors. Applied Surface Science, 2021, 546, 149133.	3.1	43
97	Benchmarking Three Ruthenium Phosphide Phases for Electrocatalysis of the Hydrogen Evolution Reaction: Experimental and Theoretical Insights. Chemistry - A European Journal, 2019, 25, 7826-7830.	1.7	42
98	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.	4.0	39
99	Human β -defensin 3-combined gold nanoparticles for enhancement of osteogenic differentiation of human periodontal ligament cells in inflammatory microenvironments. International Journal of Nanomedicine, 2018, Volume 13, 555-567.	3.3	39
100	Boron Radicals Identified as the Source of the Unexpected Catalysis by Boron Nitride Nanosheets. ACS Nano, 2019, 13, 1394-1402.	7.3	39
101	Gold Nanoparticles Promote the Bone Regeneration of Periodontal Ligament Stem Cell Sheets Through Activation of Autophagy. International Journal of Nanomedicine, 2021, Volume 16, 61-73.	3.3	38
102	Synthesis of petaloid and origami-lantern shaped $MnO_2/Co_2CH@C$ hierarchical core-shell nanorod arrays for portable asymmetric supercapacitor. Composites Part B: Engineering, 2021, 215, 108756.	5.9	37
103	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.	1.3	36
104	Ionic Liquid-assisted Synthesis of Polyaniline/Gold Nanocomposite and Its Biocatalytic Application. Nanoscale Research Letters, 2008, 3, 468-472.	3.1	35
105	Surface functionalization of carbon nanomaterials by selfâ€assembling hydrophobin proteins. Biopolymers, 2013, 99, 84-94.	1.2	35
106	Protein electrochemistry using graphene-based nano-assembly: an ultrasensitive electrochemical detection of protein molecules via nanoparticleâ€electrode collisions. Chemical Communications, 2014, 50, 8197.	2.2	35
107	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.	1.9	35
108	A Pb^{2+} -ion electrochemical biosensor based on single-stranded DNAzyme catalytic beacon. Sensors and Actuators B: Chemical, 2016, 222, 1083-1089.	4.0	35

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109	Enzyme-free fluorescent detection of microcystin-LR using hairpin DNA-templated copper nanoclusters as signal indicator. <i>Talanta</i> , 2019, 202, 279-284.	2.9	35
110	Recent Advancement of Biosensor Technology for the Detection of Microcystin-LR. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 637-646.	2.0	35
111	Investigation of Self-assembled Monolayer by Atom Probe Microscopy. <i>Microscopy and Microanalysis</i> , 2009, 15, 272-273.	0.2	34
112	Probing the tunable surface chemistry of graphene oxide. <i>Chemical Communications</i> , 2015, 51, 10969-10972.	2.2	34
113	On-site determination of Pb ²⁺ and Cd ²⁺ in seawater by double stripping voltammetry with bismuth-modified working electrodes. <i>Microchemical Journal</i> , 2016, 126, 280-286.	2.3	34
114	Insight into Catalytic Mechanisms for the Reduction of Nitrophenol via Heterojunctions of Gold Nanoclusters on 2D Boron Nitride Nanosheets. <i>ChemNanoMat</i> , 2019, 5, 784-791.	1.5	34
115	Electrochemical Evidences of Chiral Molecule Recognition Using L/D-Cysteine Modified Gold Electrodes. <i>Electrochimica Acta</i> , 2017, 237, 22-28.	2.6	33
116	Attachment of magnetic molecules on a nanoSQUID. <i>Nanotechnology</i> , 2008, 19, 285303.	1.3	31
117	Co-reactant Electrogenerated Chemiluminescence of Iridium(III) Complexes Containing an Acetylacetonate Ligand. <i>ChemElectroChem</i> , 2017, 4, 1797-1808.	1.7	31
118	A Bunch-like Copper Oxide Nanowire Array as an Efficient, Durable, and Economical Catalyst for the Methanolysis of Ammonia Borane. <i>ChemCatChem</i> , 2018, 10, 710-715.	1.8	31
119	Preparation and characterization of the hydrogen storage activated carbon from coffee shell by microwave irradiation and KOH activation. <i>International Biodeterioration and Biodegradation</i> , 2016, 113, 386-390.	1.9	30
120	Ultrathin 2D Titanium Carbide MXene (Ti ₃ C ₂ T _x) Nanoflakes Activate WNT/HIF-1 α -Mediated Metabolism Reprogramming for Periodontal Regeneration. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101215.	3.9	30
121	A nanoscale SQUID operating at high magnetic fields. <i>Nanotechnology</i> , 2011, 22, 455501.	1.3	29
122	Non-covalent surface modification of boron nitride nanotubes for enhanced catalysis. <i>Chemical Communications</i> , 2014, 50, 225-227.	2.2	29
123	Simple and signal-off electrochemical biosensor for mercury(II) based on thymine-mercury-thymine hybridization directly on graphene. <i>Electrochimica Acta</i> , 2015, 170, 210-217.	2.6	29
124	One-pot facile synthesis of platinum nanoparticle decorated reduced graphene oxide composites and their application in electrochemical detection of rutin. <i>Analytical Methods</i> , 2015, 7, 3581-3586.	1.3	29
125	Atom Probe Microscopy of Self-Assembled Monolayers: Preliminary Results. <i>Langmuir</i> , 2010, 26, 5291-5294.	1.6	28
126	Stepwise Synthesis of Gly ⁺ Gly ⁺ His on Gold Surfaces Modified with Mixed Self-Assembled Monolayers. <i>Langmuir</i> , 2005, 21, 260-265.	1.6	27

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127	Graphene nanodots engaged 3-D gold substrate as enzyme loading platform for the fabrication of high performance biosensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 1186-1195.	4.0	27
128	Facile fabrication of supercapacitors with high rate capability using graphene/nickel foam electrode. <i>Electrochimica Acta</i> , 2016, 209, 85-94.	2.6	27
129	Synthesis and growth of hematite nanodiscs through a facile hydrothermal approach. <i>Journal of Nanoparticle Research</i> , 2010, 12, 877-893.	0.8	26
130	Promising biomass-derived activated carbon and gold nanoparticle nanocomposites as a novel electrode material for electrochemical detection of rutin. <i>RSC Advances</i> , 2016, 6, 90446-90454.	1.7	26
131	Electrochemical biosensor for silver ions based on amplification of DNA "Au bio" bar codes and silver enhancement. <i>Journal of Electroanalytical Chemistry</i> , 2017, 785, 117-124.	1.9	26
132	Chemisorbed and Physisorbed Structures for 1,10-Phenanthroline and Dipyrido[3,2- <i>a</i> : <i>i</i> :2',3'- <i>c</i> : <i>i</i> ']phenazine on Au(111). <i>Journal of Physical Chemistry C</i> , 2007, 111, 17285-17296.	1.5	25
133	Graphene quantum dots directly generated from graphite via magnetron sputtering and the application in thin-film transistors. <i>Carbon</i> , 2015, 88, 225-232.	5.4	25
134	Tunnelling current recognition through core "satellite gold nanoparticles for ultrasensitive detection of copper ions. <i>Chemical Communications</i> , 2015, 51, 2921-2924.	2.2	25
135	Cobalt Carbonate Hydroxide Nanowire Array on Ti Mesh: An Efficient and Robust 3D Catalyst for On-Demand Hydrogen Generation from Alkaline NaBH ₄ Solution. <i>Chemistry - A European Journal</i> , 2016, 22, 14831-14835.	1.7	25
136	A novel graphene nanodots inlaid porous gold electrode for electrochemically controlled drug release. <i>Talanta</i> , 2016, 147, 184-192.	2.9	25
137	Monitoring the Dynamic Process of Formation of Plasmonic Molecular Junctions during Single Nanoparticle Collisions. <i>Small</i> , 2018, 14, e1704164.	5.2	25
138	L-cysteine-modified chiral gold nanoparticles promote periodontal tissue regeneration. <i>Bioactive Materials</i> , 2021, 6, 3288-3299.	8.6	25
139	Single-walled carbon nanotubes with DNA recognition. <i>Chemical Physics Letters</i> , 2007, 443, 169-172.	1.2	24
140	Microencapsulation of lipase produced omega-3 concentrates resulted in complex coacervates with unexpectedly high oxidative stability. <i>Journal of Functional Foods</i> , 2017, 35, 499-506.	1.6	24
141	Bioanalytical Experiments for the Undergraduate Laboratory: Monitoring Glucose in Sports Drinks. <i>Journal of Chemical Education</i> , 2001, 78, 788.	1.1	23
142	One-side non-covalent modification of CVD graphene sheet using pyrene-terminated PNIPAAm generated via RAFT polymerization for the fabrication of thermo-responsive actuators. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 193-202.	4.0	23
143	A Sensitive Electrochemical Assay for T4 Polynucleotide Kinase Activity Based on Fe ₃ O ₄ @TiO ₂ And Gold Nanoparticles Hybrid Probe Modified Magnetic Electrode. <i>Journal of the Electrochemical Society</i> , 2022, 169, 027504.	1.3	23
144	A fluorescent probe based on tryptophan-coated silver nanoclusters for copper (II) ions detection and bioimaging in cells. <i>Microchemical Journal</i> , 2022, 175, 107222.	2.3	23

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145	Synthesis and characterization of surface-enhanced Raman-scattered gold nanoparticles. <i>International Journal of Nanomedicine</i> , 2013, 8, 4327.	3.3	22
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