

Wenrong Yang

List of Publications by Year in descending order

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240
papers

15,833
citations

17440

63
h-index

19749

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?. Angewandte Chemie - International Edition, 2010, 49, 2114-2138.	13.8	1,301
2	Protein Electrochemistry Using Aligned Carbon Nanotube Arrays. Journal of the American Chemical Society, 2003, 125, 9006-9007.	13.7	853
3	Scalable Manufacturing of Free-standing, Strong $\text{Ti}_3\text{C}_2\text{T}_x$ MXene Films with Outstanding Conductivity. Advanced Materials, 2020, 32, e2001093.	21.0	613
4	Self-Assembled Monolayers into the 21st Century: Recent Advances and Applications. Electroanalysis, 2003, 15, 81-96.	2.9	547
5	Carbon nanotubes for biological and biomedical applications. Nanotechnology, 2007, 18, 412001.	2.6	522
6	Dispersing Carbon Nanotubes with Graphene Oxide in Water and Synergistic Effects between Graphene Derivatives. Chemistry - A European Journal, 2010, 16, 10653-10658.	3.3	373
7	Controllable corrugation of chemically converted graphene sheets in water and potential application for nanofiltration. Chemical Communications, 2011, 47, 5810.	4.1	296
8	Toward Ubiquitous Environmental Gas Sensors—Capitalizing on the Promise of Graphene. Environmental Science & Technology, 2010, 44, 1167-1176.	10.0	266
9	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.	3.8	256
10	Graphene and Related Materials in Electrochemical Sensing. Electroanalysis, 2011, 23, 803-826.	2.9	256
11	CoP_2 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.	10.3	242
12	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.	12.7	239
13	Hierarchical coral-like NiMoS nanohybrids as highly efficient bifunctional electrocatalysts for overall urea electrolysis. Nano Research, 2018, 11, 988-996.	10.4	236
14	Thermosensitive graphene nanocomposites formed using pyrene-terminal polymers made by RAFT polymerization. Journal of Polymer Science Part A, 2010, 48, 425-433.	2.3	215
15	Synthesis, Characterization, and Multilayer Assembly of pH Sensitive Graphene~Polymer Nanocomposites. Langmuir, 2010, 26, 10068-10075.	3.5	204
16	Molecularly engineered graphene surfaces for sensing applications: A review. Analytica Chimica Acta, 2015, 859, 1-19.	5.4	192
17	Additive-Free MXene Liquid Crystals and Fibers. ACS Central Science, 2020, 6, 254-265.	11.3	182
18	Evidence for the Direct Interaction Between Methylene Blue and Guanine Bases Using DNA-Modified Carbon Paste Electrodes. Electroanalysis, 2002, 14, 1299-1302.	2.9	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.	10.0	171
20	New Gold Nanostructures for Sensor Applications: A Review. <i>Materials</i> , 2014, 7, 5169-5201.	2.9	163
21	Sub-ppt detection limits for copper ions with Gly-Gly-His modified electrodes. <i>Chemical Communications</i> , 2001, , 1982-1983.	4.1	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.	14.9	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.	10.3	153
24	Ball milling: a green mechanochemical approach for synthesis of nitrogen doped carbon nanoparticles. <i>Nanoscale</i> , 2013, 5, 7970.	5.6	149
25	Opening Lids: Modulation of Lipase Immobilization by Graphene Oxides. <i>ACS Catalysis</i> , 2016, 6, 4760-4768.	11.2	139
26	Gold nanoparticles modulate the crosstalk between macrophages and periodontal ligament cells for periodontitis treatment. <i>Biomaterials</i> , 2019, 206, 115-132.	11.4	139
27	Freezing Titanium Carbide Aqueous Dispersions for Ultra-long-term Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34032-34040.	8.0	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.	10.3	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.	1.9	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.	3.5	127
31	Recent advances in cobalt phosphide based materials for energy-related applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22913-22932.	10.3	121
32	MXene: a potential candidate for yarn supercapacitors. <i>Nanoscale</i> , 2017, 9, 18604-18608.	5.6	119
33	Electrochemical Metal Ion Sensors. Exploiting Amino Acids and Peptides as Recognition Elements. <i>Sensors</i> , 2001, 1, 75-90.	3.8	116
34	Diatoms: Self assembled silicananostructures, and templates for bio/chemical sensors and biomimetic membranes. <i>Analyst</i> , 2011, 136, 42-53.	3.5	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.	7.1	113
36	Mechanochemistry: A force in disguise and conditional effects towards chemical reactions. <i>Chemical Communications</i> , 2021, 57, 1080-1092.	4.1	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.	3.3	111
38	CoS ₂ nanoneedle array on Ti mesh: A stable and efficient bifunctional electrocatalyst for urea-assisted electrolytic hydrogen production. Electrochimica Acta, 2017, 246, 776-782.	5.2	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.	7.8	104
40	Fabrication of Cobaltosic Oxide Nanoparticle-Doped 3D MXene/Graphene Hybrid Porous Aerogels for All-State Supercapacitors. Chemistry - A European Journal, 2019, 25, 5547-5554.	3.3	103
41	Biocompatibility of boron nitride nanosheets. Nano Research, 2018, 11, 334-342.	10.4	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.	9.4	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.	5.8	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.	8.3	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.	3.6	85
47	Effect of Different Binders on the Electrochemical Performance of Metal Oxide Anode for Lithium-Ion Batteries. Nanoscale Research Letters, 2017, 12, 575.	5.7	85
48	Size-dependent Effects of Gold Nanoparticles on Osteogenic Differentiation of Human Periodontal Ligament Progenitor Cells. Theranostics, 2017, 7, 1214-1224.	10.0	81
49	Self-assembly of core-satellite gold nanoparticles for colorimetric detection of copper ions. Analytica Chimica Acta, 2013, 803, 128-134.	5.4	80
50	DNAzyme Based Nanomachine for <i>In Situ</i> Detection of MicroRNA in Living Cells. ACS Sensors, 2017, 2, 1847-1853.	7.8	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.	7.6	76
52	Redox voltammetry of sub-parts per billion levels of Cu ²⁺ at polyaspartate-modified gold electrodes. Analyst, The, 2001, 126, 1573-1577.	3.5	74
53	Parameters Important in Fabricating Enzyme Electrodes Using Self-Assembled Monolayers of Alkanethiols.. Analytical Sciences, 2001, 17, 3-9.	1.6	73
54	Boron Nitride Nanosheets Improve Sensitivity and Reusability of Surface-Enhanced Raman Spectroscopy. Angewandte Chemie - International Edition, 2016, 55, 8405-8409.	13.8	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.	10.3	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.	6.7	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.	10.3	72
58	Transforming doxorubicin into a cancer stem cell killer via EpCAM aptamer-mediated delivery. <i>Theranostics</i> , 2017, 7, 4071-4086.	10.0	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.	10.4	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.	10.3	67
61	Preparation of graphene/polymer composites by direct exfoliation of graphite in functionalised block copolymer matrix. <i>Carbon</i> , 2013, 51, 148-155.	10.3	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.	5.4	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.	10.3	65
64	Soft Nanoarchitectonics for Enantioselective Biosensing. <i>Accounts of Chemical Research</i> , 2020, 53, 644-653.	15.6	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.	9.4	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.	8.0	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.	10.3	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.	6.7	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.	10.3	60
70	A biomimetic sensor for the detection of lead in water. <i>Biosensors and Bioelectronics</i> , 2015, 67, 621-624.	10.1	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.	7.8	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.	3.7	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.	7.8	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.	7.8	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.	4.8	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.	2.7	57
77	Electrochemical synthesis of fractal bimetallic Cu/Ag nanodendrites for efficient surface enhanced Raman spectroscopy. <i>Chemical Communications</i> , 2016, 52, 10968-10971.	4.1	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.	9.4	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.	10.3	55
80	Smart Multifunctional Fluids for Lithium Ion Batteries: Enhanced Rate Performance and Intrinsic Mechanical Protection. <i>Scientific Reports</i> , 2013, 3, 2485.	3.3	54
81	Using Molecular Level Modification To Tune the Conductivity of Graphene Papers. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17939-17946.	3.1	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.	7.8	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.	7.8	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.	5.2	52
85	Challenges and solutions in surface engineering and assembly of boron nitride nanosheets. <i>Materials Today</i> , 2021, 44, 194-210.	14.2	52
86	Acetylene plasma polymerized surfaces for covalent immobilization of dense bioactive protein monolayers. <i>Surface and Coatings Technology</i> , 2009, 203, 1310-1316.	4.8	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.	5.8	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.	5.5	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.	14.6	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.	10.3	47

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91	Grapheneâ€Oxideâ€Based Enzyme Nanoarchitectonics for Substrate Channeling. Chemistry - A European Journal, 2017, 23, 304-311.	3.3	47
92	Nanoâ€Enabled sensors for detection of arsenic in water. Water Research, 2021, 188, 116538.	11.3	46
93	A nitrogenous pre-intercalation strategy for the synthesis of nitrogen-doped $Ti_{3-x}C_{2-x}Mx$ MXene with enhanced electrochemical capacitance. Journal of Materials Chemistry A, 2021, 9, 6393-6401.	10.3	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.	2.3	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.	5.4	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.	6.1	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.	3.3	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.	7.8	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.	6.7	39
100	Boron Radicals Identified as the Source of the Unexpected Catalysis by Boron Nitride Nanosheets. ACS Nano, 2019, 13, 1394-1402.	14.6	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.	6.7	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.	12.0	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.	2.7	36
104	Ionic Liquid-assisted Synthesis of Polyaniline/Gold Nanocomposite and Its Biocatalytic Application. Nanoscale Research Letters, 2008, 3, 468-472.	5.7	35
105	Surface functionalization of carbon nanomaterials by selfâ€assembling hydrophobin proteins. Biopolymers, 2013, 99, 84-94.	2.4	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.	4.1	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.	3.7	35
108	A Pb^{2+} -ion electrochemical biosensor based on single-stranded DNAzyme catalytic beacon. Sensors and Actuators B: Chemical, 2016, 222, 1083-1089.	7.8	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.	5.5	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.	3.2	35
111	Investigation of Self-assembled Monolayer by Atom Probe Microscopy. <i>Microscopy and Microanalysis</i> , 2009, 15, 272-273.	0.4	34
112	Probing the tunable surface chemistry of graphene oxide. <i>Chemical Communications</i> , 2015, 51, 10969-10972.	4.1	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.	4.5	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.	2.8	34
115	Electrochemical Evidences of Chiral Molecule Recognition Using L/D-Cysteine Modified Gold Electrodes. <i>Electrochimica Acta</i> , 2017, 237, 22-28.	5.2	33
116	Attachment of magnetic molecules on a nanoSQUID. <i>Nanotechnology</i> , 2008, 19, 285303.	2.6	31
117	Co-reactant Electrogenenerated Chemiluminescence of Iridium(III) Complexes Containing an Acetylacetonate Ligand. <i>ChemElectroChem</i> , 2017, 4, 1797-1808.	3.4	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.	3.7	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.	3.9	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.	7.6	30
121	A nanoscale SQUID operating at high magnetic fields. <i>Nanotechnology</i> , 2011, 22, 455501.	2.6	29
122	Non-covalent surface modification of boron nitride nanotubes for enhanced catalysis. <i>Chemical Communications</i> , 2014, 50, 225-227.	4.1	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.	5.2	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.	2.7	29
125	Atom Probe Microscopy of Self-Assembled Monolayers: Preliminary Results. <i>Langmuir</i> , 2010, 26, 5291-5294.	3.5	28
126	Stepwise Synthesis of Gly ⁺ Gly ⁺ His on Gold Surfaces Modified with Mixed Self-Assembled Monolayers. <i>Langmuir</i> , 2005, 21, 260-265.	3.5	27

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127	Graphene nanodots encaged 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.	7.8	27
128	Facile fabrication of supercapacitors with high rate capability using graphene/nickel foam electrode. <i>Electrochimica Acta</i> , 2016, 209, 85-94.	5.2	27
129	Synthesis and growth of hematite nanodiscs through a facile hydrothermal approach. <i>Journal of Nanoparticle Research</i> , 2010, 12, 877-893.	1.9	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.	3.6	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.	3.8	26
132	Chemisorbed and Physisorbed Structures for 1,10-Phenanthroline and Dipyrrodo[3,2- <i>a</i> :2',3'- <i>c</i>]phenazine on Au(111). <i>Journal of Physical Chemistry C</i> , 2007, 111, 17285-17296.	3.1	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.	10.3	25
134	Tunnelling current recognition through core-satellite gold nanoparticles for ultrasensitive detection of copper ions. <i>Chemical Communications</i> , 2015, 51, 2921-2924.	4.1	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.	3.3	25
136	A novel graphene nanodots inlaid porous gold electrode for electrochemically controlled drug release. <i>Talanta</i> , 2016, 147, 184-192.	5.5	25
137	Monitoring the Dynamic Process of Formation of Plasmonic Molecular Junctions during Single Nanoparticle Collisions. <i>Small</i> , 2018, 14, e1704164.	10.0	25
138	L-cysteine-modified chiral gold nanoparticles promote periodontal tissue regeneration. <i>Bioactive Materials</i> , 2021, 6, 3288-3299.	15.6	25
139	Single-walled carbon nanotubes with DNA recognition. <i>Chemical Physics Letters</i> , 2007, 443, 169-172.	2.6	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.	3.4	24
141	Bioanalytical Experiments for the Undergraduate Laboratory: Monitoring Glucose in Sports Drinks. <i>Journal of Chemical Education</i> , 2001, 78, 788.	2.3	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.	7.8	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.	2.9	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.	4.5	23

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145	Synthesis and characterization of surface-enhanced Raman-scattered gold nanoparticles. International Journal of Nanomedicine, 2013, 8, 4327.	6.7	22
146	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.	5.8	22
147	FeCoNi Sulfides Derived From In situ Sulfurization of Precursor Oxides as Oxygen Evolution Reaction Catalyst. Frontiers in Chemistry, 2020, 8, 334.	3.6	22
148	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.	13.7	22
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