

# Aimin Yu

## List of Publications by Year in descending order

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195  
papers

7,860  
citations

41258

49  
h-index

64668

79  
g-index

201  
all docs

201  
docs citations

201  
times ranked

9774  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured Electrochemical Sensor Based on Dense Gold Nanoparticle Films. <i>Nano Letters</i> , 2003, 3, 1203-1207.	4.5	398
2	Direct electron transfer and characterization of hemoglobin immobilized on a Au colloidâ€‘cysteamine-modified gold electrode. <i>Journal of Electroanalytical Chemistry</i> , 2001, 516, 119-126.	1.9	371
3	Mesoporous Silica Particles as Templates for Preparing Enzyme-Loaded Biocompatible Microcapsules. <i>Advanced Materials</i> , 2005, 17, 1737-1741.	11.1	225
4	Recent progress in the biomedical applications of polydopamine nanostructures. <i>Biomaterials Science</i> , 2017, 5, 1204-1229.	2.6	219
5	Nanotubes Prepared by Layer-by-Layer Coating of Porous Membrane Templates. <i>Advanced Materials</i> , 2003, 15, 1849-1853.	11.1	194
6	Nanoporous Polyelectrolyte Spheres Prepared by Sequentially Coating Sacrificial Mesoporous Silica Spheres. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2888-2892.	7.2	190
7	Determination of fluoroquinolone antibiotics in environmental water samples based on magnetic molecularly imprinted polymer extraction followed by liquid chromatographyâ€‘tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2010, 662, 31-38.	2.6	190
8	An ultrathin high-performance heat spreader fabricated with hydroxylated boron nitride nanosheets. <i>2D Materials</i> , 2017, 4, 025047.	2.0	145
9	Surface functionalization and manipulation of mesoporous silica adsorbents for improved removal of pollutants: a review. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 110-128.	1.2	131
10	Two- and three-dimensional graphene-based hybrid composites for advanced energy storage and conversion devices. <i>Journal of Materials Chemistry A</i> , 2018, 6, 702-734.	5.2	126
11	Defects regulating of graphene ink for electrochemical determination of ascorbic acid, dopamine and uric acid. <i>Talanta</i> , 2018, 180, 248-253.	2.9	124
12	Goldâ€‘Nanorodâ€‘Assisted Nearâ€‘Infrared Stimulation of Primary Auditory Neurons. <i>Advanced Healthcare Materials</i> , 2014, 3, 1862-1868.	3.9	120
13	Preparation of ZnO flower/reduced graphene oxide composite with enhanced photocatalytic performance under sunlight. <i>Ceramics International</i> , 2015, 41, 4007-4013.	2.3	117
14	Development of a novel nitrite electrochemical sensor by stepwise in situ formation of palladium and reduced graphene oxide nanocomposites. <i>RSC Advances</i> , 2015, 5, 40111-40116.	1.7	114
15	Highly stable and regenerative grapheneâ€‘diamond hybrid electrochemical biosensor for fouling target dopamine detection. <i>Biosensors and Bioelectronics</i> , 2018, 111, 117-123.	5.3	112
16	Towards enhanced energy density of graphene-based supercapacitors: Current status, approaches, and future directions. <i>Journal of Power Sources</i> , 2018, 396, 182-206.	4.0	111
17	Graphene-supported 2D transition metal oxide heterostructures. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13509-13537.	5.2	103
18	Preparation of Î²-cyclodextrin functionalized reduced graphene oxide: application for electrochemical determination of paracetamol. <i>RSC Advances</i> , 2015, 5, 76973-76978.	1.7	100

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19	Enzyme Multilayer-Modified Porous Membranes as Biocatalysts. <i>Chemistry of Materials</i> , 2005, 17, 171-175.	3.2	99
20	Graphene-Based Multilayered Metamaterials with Phototunable Architecture for on-Chip Photonic Devices. <i>ACS Photonics</i> , 2019, 6, 1033-1040.	3.2	98
21	Ultrasensitive Immunoassay Based on Electrochemical Measurement of Enzymatically Produced Polyaniline. <i>Analytical Chemistry</i> , 2014, 86, 1789-1793.	3.2	96
22	Electrocatalytic oxidation and determination of ascorbic acid at poly(glutamic acid) chemically modified electrode. <i>Analytica Chimica Acta</i> , 1997, 344, 181-185.	2.6	91
23	Laser exposure of gold nanorods can increase neuronal cell outgrowth. <i>Biotechnology and Bioengineering</i> , 2013, 110, 2277-2291.	1.7	91
24	Fe <sub>3</sub> O <sub>4</sub> @ZrO <sub>2</sub> nanoparticles magnetic solid phase extraction coupled with flame atomic absorption spectrometry for chromium(III) speciation in environmental and biological samples. <i>Applied Surface Science</i> , 2012, 258, 6772-6776.	3.1	90
25	Infrageneric phylogenetics investigation of <i>Chimonanthus</i> based on electroactive compound profiles. <i>Bioelectrochemistry</i> , 2020, 133, 107455.	2.4	86
26	A glassy carbon electrode modified with N-doped carbon dots for improved detection of hydrogen peroxide and paracetamol. <i>Mikrochimica Acta</i> , 2018, 185, 87.	2.5	80
27	In situ deposition of gold nanoparticles on polydopamine functionalized silica nanosphere for ultrasensitive nonenzymatic electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2013, 47, 178-183.	5.3	79
28	Lycoris species identification and infrageneric relationship investigation via graphene enhanced electrochemical fingerprinting of pollen. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126836.	4.0	75
29	Delaminated Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) for electrochemical carbendazim sensing. <i>Materials Letters</i> , 2019, 236, 412-415.	1.3	72
30	ELECTROCHEMICAL BEHAVIOR AND SIMULTANEOUS DETERMINATION OF VITAMIN B <sub>2</sub> , B <sub>6</sub> , AND C AT ELECTROCHEMICALLY PRETREATED GLASSY CARBON ELECTRODE. <i>Analytical Letters</i> , 2001, 34, 2361-2374.	1.0	70
31	Amperometric aptasensing of chloramphenicol at a glassy carbon electrode modified with a nanocomposite consisting of graphene and silver nanoparticles. <i>Mikrochimica Acta</i> , 2017, 184, 1445-1451.	2.5	69
32	Polydopamine Nanosphere with In-Situ Loaded Gentamicin and Its Antimicrobial Activity. <i>Molecules</i> , 2020, 25, 2090.	1.7	68
33	Tubular Titania Nanostructures via Layer-by-Layer Self-Assembly. <i>Advanced Functional Materials</i> , 2007, 17, 2600-2605.	7.8	66
34	An amperometric hydrogen peroxide biosensor based on immobilization of horseradish peroxidase on an electrode modified with magnetic dextran microspheres. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 971-977.	1.9	66
35	Thin Films of Polyelectrolyte-Encapsulated Catalase Microcrystals for Biosensing. <i>Analytical Chemistry</i> , 2003, 75, 3031-3037.	3.2	65
36	Fabrication of Polymer-Nanoparticle Composite Inverse Opals by a One-Step Electrochemical Co-deposition Process. <i>Nano Letters</i> , 2004, 4, 177-181.	4.5	65

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37	Silver nanoparticle-carbon nanotube hybrid films: Preparation and electrochemical sensing. <i>Electrochimica Acta</i> , 2012, 74, 111-116.	2.6	63
38	Graphene-based electrochemical sensors for antibiotic detection in water, food and soil: A scientometric analysis in CiteSpace (2011-2021). <i>Chemosphere</i> , 2022, 297, 134127.	4.2	62
39	Hall effect biosensors with ultraclean graphene film for improved sensitivity of label-free DNA detection. <i>Biosensors and Bioelectronics</i> , 2018, 99, 85-91.	5.3	60
40	Polyelectrolyte Blend Multilayer Films: Surface Morphology, Wettability, and Protein Adsorption Characteristics. <i>Langmuir</i> , 2007, 23, 4944-4949.	1.6	59
41	Cellulose Nanocrystals: Production, Functionalization and Advanced Applications. <i>Reviews on Advanced Materials Science</i> , 2019, 58, 1-16.	1.4	59
42	Applications of a copper microparticle-modified carbon fiber microdisk array electrode for the simultaneous determination of aminoglycoside antibiotics by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2001, 905, 309-318.	1.8	58
43	(001) plan manipulation of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanostructures for enhanced electrochemical Cr(VI) sensing. <i>Journal of Electroanalytical Chemistry</i> , 2019, 841, 142-147.	1.9	56
44	Nitrogen-doped porous hard carbons derived from shaddock peel for high-capacity lithium-ion battery anodes. <i>Journal of Electroanalytical Chemistry</i> , 2020, 862, 114044.	1.9	53
45	Nanoassembly of biocompatible microcapsules for urease encapsulation and their use as biomimetic reactors. <i>Chemical Communications</i> , 2006, , 2150.	2.2	52
46	Preparation and Electrocatalytic Properties of Polydopamine Functionalized Reduced Graphene Oxide-Silver Nanocomposites. <i>Electrocatalysis</i> , 2015, 6, 72-76.	1.5	52
47	In situ growth of metal nanoparticles on boron nitride nanosheets as highly efficient catalysts. <i>Journal of Materials Chemistry A</i> , 2016, 4, 19107-19115.	5.2	52
48	NaH promoted [4+3] annulation of crotonate-derived sulfur ylides with thioaurones: synthesis of 2,5-dihydrobenzo[4,5]thieno[3,2-b]oxepines. <i>Chemical Communications</i> , 2017, 53, 10672-10675.	2.2	52
49	2D layered organic-inorganic heterostructures for clean energy applications. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3824-3849.	5.2	51
50	Mesoporous Silica Templated Biolabels with Releasable Fluorophores for Immunoassays. <i>Analytical Chemistry</i> , 2008, 80, 5401-5406.	3.2	50
51	The immobilization of hepatocytes on 24nm-sized gold colloid for enhanced hepatocytes proliferation. <i>Biomaterials</i> , 2004, 25, 3445-3451.	5.7	47
52	Solvent-Controlled Switchable Domino Reactions of MBH Carbonate: Synthesis of Benzothiophene Fused $\beta$ -Pyran, 2,3-Dihydrooxepine, and Oxatricyclodecene Derivatives. <i>Organic Letters</i> , 2017, 19, 6084-6087.	2.4	47
53	Sensitive and rapid aptasensing of chloramphenicol by colorimetric signal transduction with a DNAzyme-functionalized gold nanoprobe. <i>Food Chemistry</i> , 2019, 270, 287-292.	4.2	45
54	Fabrication of $\beta$ -Cyclodextrin-Functionalized Reduced Graphene Oxide and Its Application for Electrocatalytic Detection of Carbendazim. <i>Electrocatalysis</i> , 2016, 7, 411-419.	1.5	44

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55	Electrochemical antioxidant screening based on a chitosan hydrogel. <i>Bioelectrochemistry</i> , 2018, 121, 7-10.	2.4	43
56	Calix[4]arene crown-4 ether modified glassy carbon electrode for electrochemical determination of norepinephrine. <i>Analyst, The</i> , 2009, 134, 2141.	1.7	41
57	Enzymatically catalytic deposition of gold nanoparticles by glucose oxidase-functionalized gold nanoprobe for ultrasensitive electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2015, 71, 353-358.	5.3	41
58	A solid-state electrochemical sensing platform based on a supramolecular hydrogel. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 326-333.	4.0	41
59	Facile one-pot synthesis of hollow NiCoP nanospheres via thermal decomposition technique and its free-standing carbon composite for supercapacitor application. <i>Journal of Energy Storage</i> , 2019, 25, 100893.	3.9	41
60	Carbon nanotube and graphene oxide directed electrochemical synthesis of silver dendrites. <i>RSC Advances</i> , 2014, 4, 39645-39650.	1.7	38
61	In situ deposition of Prussian blue on mesoporous carbon nanosphere for sensitive electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2015, 74, 660-665.	5.3	38
62	Exonuclease-assisted target recycling for ultrasensitive electrochemical detection of microRNA at vertically aligned carbon nanotubes. <i>Nanoscale</i> , 2019, 11, 11262-11269.	2.8	37
63	Galvanic replacement synthesis of silver dendrites-reduced graphene oxide composites and their surface-enhanced Raman scattering characteristics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 396-401.	2.0	36
64	Copper chromogenic reaction based colorimetric immunoassay for rapid and sensitive detection of a tumor biomarker. <i>Analytica Chimica Acta</i> , 2017, 963, 106-111.	2.6	35
65	Square wave voltammetric quantitative determination of flavonoid luteolin in peanut hulls and Perilla based on Au NPs loaded boron nitride nanosheets. <i>Journal of Electroanalytical Chemistry</i> , 2018, 817, 128-133.	1.9	35
66	A glassy carbon electrode modified with a polyaniline doped with silicotungstic acid and carbon nanotubes for the sensitive amperometric determination of ascorbic acid. <i>Mikrochimica Acta</i> , 2013, 180, 437-443.	2.5	33
67	Aptamer biorecognition-triggered DNzyme liberation and Exo III-assisted target recycling for ultrasensitive homogeneous colorimetric bioassay of kanamycin antibiotic. <i>Chemical Communications</i> , 2019, 55, 3959-3962.	2.2	33
68	Catalytic Oxidation of Uric Acid at the Polyglycine Chemically Modified Electrode and its Trace Determination. <i>Analyst, The</i> , 1997, 122, 839-841.	1.7	32
69	One-Pot Synthesis of Multipod ZnO-Carbon Nanotube-Reduced Graphene Oxide Composites with High Performance in Photocatalysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 4325-4331.	0.9	32
70	Direct N <sup>+</sup> -H <sup>+</sup> , I <sup>+</sup> , I <sup>2</sup> -C(sp <sup>3</sup> ) <sup>+</sup> -H functionalization of piperidine via an azomethine ylide route: synthesis of spirooxindoles bearing 3-substituted oxindoles. <i>Chemical Communications</i> , 2017, 53, 1684-1687.	2.2	32
71	Ultrasensitive electrochemical aptasensing of kanamycin antibiotic by enzymatic signal amplification with a horseradish peroxidase-functionalized gold nanoprobe. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1762-1767.	4.0	32
72	Conductive Hydrogel-Based Electrochemical Sensor: A Soft Platform for Capturing Analyte. <i>Chemosensors</i> , 2021, 9, 282.	1.8	32

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73	Substrate-Controlled Domino Reactions of Crotonate-Derived Sulfur Ylides: Synthesis of Benzothiophene Derivatives. <i>Journal of Organic Chemistry</i> , 2018, 83, 13821-13833.	1.7	31
74	Multilayer Nanostructured Porphyrin Arrays Constructed by Layer-by-Layer Self-Assembly. <i>Langmuir</i> , 2009, 25, 9873-9878.	1.6	30
75	Proximity Binding-Triggered Assembly of Two MNAszymes for Catalyzed Release of G-Quadruplex DNAszymes and an Ultrasensitive Homogeneous Bioassay of Platelet-Derived Growth Factor. <i>Analytical Chemistry</i> , 2020, 92, 593-598.	3.2	30
76	Fabrication of a polyglycine chemically modified electrode and its electrocatalytic oxidation to ascorbic acid. <i>Electroanalysis</i> , 1997, 9, 788-790.	1.5	29
77	Amperometric NADH Biosensor Based on Magnetic Chitosan Microspheres/Poly(thionine) Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2010, 22, 1725-1732.	1.5	29
78	Controlling antibiotic release from mesoporous silica nano drug carriers via self-assembled polyelectrolyte coating. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 117.	1.7	29
79	Amplified inhibition of the electrochemical signal of ferrocene by enzyme-functionalized graphene oxide nanoprobe for ultrasensitive immunoassay. <i>Analytica Chimica Acta</i> , 2016, 902, 189-195.	2.6	28
80	One-pot loading high-content thionine on polydopamine-functionalized mesoporous silica nanosphere for ultrasensitive electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2017, 95, 15-20.	5.3	28
81	Controlling carbon-oxygen double bond and pseudographic structure in shaddock peel derived hard carbon for enhanced sodium storage properties. <i>Electrochimica Acta</i> , 2019, 313, 109-115.	2.6	28
82	Selective Detection of Ferric Ions by Blue-Green Photoluminescent Nitrogen-Doped Phenol Formaldehyde Resin Polymer. <i>Small</i> , 2014, 10, 3662-3666.	5.2	27
83	Chemical preparation and applications of silver dendrites. <i>Chemical Papers</i> , 2014, 68, .	1.0	27
84	Diverse synthesis of pyrano[2,3-b]indol and dihydropyrano[2,3-b]indol via tunable Lewis bases catalyzed domino reactions. <i>Tetrahedron</i> , 2015, 71, 7706-7716.	1.0	27
85	Advanced Catalytic and Electrocatalytic Performances of Polydopamine-Functionalized Reduced Graphene Oxide-Palladium Nanocomposites. <i>ChemCatChem</i> , 2016, 8, 2975-2980.	1.8	27
86	Biocompatible polypeptide microcapsules via templating mesoporous silica spheres. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 341-345.	5.0	26
87	Reduced Graphene Oxide Nanocomposite Modified Electrodes for Sensitive Detection of Ciprofloxacin. <i>Electroanalysis</i> , 2018, 30, 2185-2194.	1.5	26
88	AMPEROMETRIC NITRIC OXIDE BIOSENSOR BASED ON THE IMMOBILIZATION OF HEMOGLOBIN ON A NANOMETER-SIZED GOLD COLLOID MODIFIED AU ELECTRODE. <i>Analytical Letters</i> , 2002, 35, 647-661.	1.0	25
89	Electrocatalytic Oxidation of Hydrazine at the Poly(Glutamic Acid) Chemically Modified Electrode and Its Amperometric Determination. <i>Analytical Letters</i> , 1997, 30, 599-607.	1.0	24
90	The Self-assembly, Characterization of Hepatocytes on Nano-sized Gold Colloid and Construction of Cellular Biosensor. <i>Chemistry Letters</i> , 2003, 32, 934-935.	0.7	24

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91	Facile Synthesis of Highly Porous N-Doped Carbon Nanosheets with Silica Nanoparticles for Ultrahigh Capacitance Supercapacitors. <i>Energy &amp; Fuels</i> , 2020, 34, 11508-11518.	2.5	24
92	Determination of phenylenediamine isomers in hair dyes by coal cinders micro-column extraction and MEKC. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2141-2147.	1.9	23
93	Catalytic Oxidation of Ascorbic Acid at a Polyhistidine Modified Electrode and Its Application to the Voltammetric Resolution of Ascorbic Acid and Dopamine. <i>Analytical Letters</i> , 1996, 29, 2633-2643.	1.0	22
94	Electrocatalytic Reduction and Determination of Nitric Oxide at a Hemoglobin Modified Electrode. <i>Analytical Letters</i> , 1997, 30, 1013-1023.	1.0	22
95	Electrochemical Determination of Dopamine in the Presence of High Concentrations of Ascorbic Acid at a Poly(Indole-3-acetic Acid) Coated Electrode. <i>Analytical Letters</i> , 1997, 30, 1643-1652.	1.0	22
96	Determination of Hydrazine Compounds by Capillary Electrophoresis with a Poly(Glutamic Acid) Modified Microdisk Carbon Fiber Electrode. <i>Analytical Letters</i> , 2000, 33, 3343-3353.	1.0	22
97	Synthesis of Dibenzothiophene and 1,4-Dihydrodibenzothiophene Derivatives via Allylic Phosphonium Salt Initiated Domino Reactions. <i>Organic Letters</i> , 2018, 20, 1106-1109.	2.4	22
98	Self-assembly of phenoxy-dextran on electrochemically reduced graphene oxide for nonenzymatic biosensing of glucose. <i>Carbon</i> , 2018, 127, 202-208.	5.4	22
99	Construction of Eight-Membered Cyclic Diaryl Sulfides via Domino Reaction of Arynes with Thioaurone Analogues and DFT Study on the Reaction Mechanism. <i>Organic Letters</i> , 2019, 21, 9014-9018.	2.4	22
100	Electroanalysis of Dopamine Using Reduced Graphene Oxide-Palladium Nanocomposites. <i>Nanoscience and Nanotechnology Letters</i> , 2015, 7, 147-151.	0.4	21
101	Phosphine-Catalyzed Domino Reaction of Thioaurones and Allenolate: Synthesis of Benzothiophene-Fused Dioxabicyclo[3.3.1]nonane Derivatives. <i>Journal of Organic Chemistry</i> , 2018, 83, 5410-5419.	1.7	21
102	Synthesis of Polydopamine Nanoparticles for Drug Delivery Applications. <i>Microscopy and Microanalysis</i> , 2018, 24, 1758-1759.	0.2	21
103	Current Advances in the Utilization of Polydopamine Nanostructures in Biomedical Therapy. <i>Biotechnology Journal</i> , 2019, 14, e1900080.	1.8	21
104	Simultaneous determination of polycarboxylic acids by capillary electrophoresis with a copper electrode. <i>Journal of Chromatography A</i> , 2000, 867, 261-269.	1.8	20
105	Removal of aqueous toxic Hg(II) by functionalized mesoporous silica materials. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1473-1479.	1.6	20
106	Nanocomposite Coating of Multilayered Carbon Nanotube@Titania. <i>Materials and Manufacturing Processes</i> , 2014, 29, 1030-1036.	2.7	20
107	Graphene Films Using a Thermally Curable Surfactant. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600182.	1.9	20
108	DABCO-catalyzed unusual [4 + 2] cycloaddition reaction: non-substituted allenolate acts as a four-carbon synthon and facile synthesis of spirooxindoles. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1226-1230.	1.5	20

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109	Label-Free Electrochemical Detection of Vanillin through Low-Defect Graphene Electrodes Modified with Au Nanoparticles. <i>Materials</i> , 2018, 11, 489.	1.3	20
110	Convenient synthesis of substituted tetrahydrofuran via Lewis base catalyzed [3 + 2] domino reactions. <i>RSC Advances</i> , 2014, 4, 52629-52632.	1.7	19
111	Enzyme-induced biomineralization of cupric subcarbonate for ultrasensitive colorimetric immunosensing of carcinoembryonic antigen. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 789-795.	4.0	19
112	Ultrasensitive Immunoassay Based on Amplified Inhibition of the Electrochemical Stripping Signal of Silver Nanocomposite by Silica Nanoprobe. <i>Electroanalysis</i> , 2014, 26, 409-415.	1.5	18
113	Microwave Irradiation-Assisted Exfoliation of Boron Nitride Nanosheets: A Platform for Loading High Density of Nanoparticles. <i>ChemistrySelect</i> , 2016, 1, 1799-1803.	0.7	18
114	Distinguishing surface sites involved in the adsorption of lead onto sinapinaldehyde-functionalised mesocellular foam mesoporous silica. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 552, 153-160.	2.3	18
115	Separation and determination of di- and tricarboxylic acids in fruits by capillary zone electrophoresis with amperometric detection. <i>Analytica Chimica Acta</i> , 2000, 415, 75-81.	2.6	17
116	Cooperative fabrication of ternary nanofibers with remarkable solvent and temperature resistance by electrospinning. <i>RSC Advances</i> , 2014, 4, 31400-31408.	1.7	17
117	Enzymatically catalytic signal tracing by a glucose oxidase and ferrocene dually functionalized nanoporous gold nanoprobe for ultrasensitive electrochemical measurement of a tumor biomarker. <i>Analyst</i> , The, 2016, 141, 4381-4387.	1.7	17
118	Preparation and characterization of highly conductive polyurethane composites containing graphene and gold nanoparticles. <i>Journal of Materials Science</i> , 2017, 52, 11774-11784.	1.7	17
119	Analysis of chicken breast meat freshness with an electrochemical approach. <i>Journal of Electroanalytical Chemistry</i> , 2019, 855, 113622.	1.9	17
120	Intertwined Carbon Nanotubes and Ag Nanowires Constructed by Simple Solution Blending as Sensitive and Stable Chloramphenicol Sensors. <i>Sensors</i> , 2021, 21, 1220.	2.1	17
121	Preparation and electrochemical properties of gold nanoparticles containing carbon nanotubes-polyelectrolyte multilayer thin films. <i>Electrochimica Acta</i> , 2011, 56, 9015-9019.	2.6	16
122	Three-dimensional nitrogen rich bubbled porous carbon sponge for supercapacitor & pressure sensing applications. <i>International Journal of Energy Research</i> , 2020, 44, 7242-7253.	2.2	16
123	Amperometric hydrogen peroxide biosensor based on a glassy carbon electrode modified with polythionine and gold nanoparticles. <i>Mikrochimica Acta</i> , 2012, 176, 279-285.	2.5	15
124	Physical and thermal characterization of graphene oxide modified gelatin-based thin films. <i>Polymer Composites</i> , 2014, 35, 2043-2049.	2.3	15
125	Phosphine-catalyzed [4 + 2] annulation of $\hat{1}^3$ -benzyl allenates: facile synthesis of benzothieno[3,2- <i>b</i> ]pyran derivatives. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2885-2892.	1.5	15
126	A sandwich-like porous hard carbon/graphene hybrid derived from rapeseed shuck for high-performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152849.	2.8	15



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127	A Double-Deck Structure of Reduced Graphene Oxide Modified Porous Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> Electrode towards Ultrasensitive and Simultaneous Detection of Dopamine and Uric Acid. <i>Biosensors</i> , 2021, 11, 462.	2.3	15
128	Construction of benzothiophene fused pyrrolidone in water via a catalyst-free process and a mechanism study. <i>Green Chemistry</i> , 2020, 22, 6798-6803.	4.6	14
129	Prolonged and continuous antibacterial and anti-biofilm activities of thin films embedded with gentamicin-loaded mesoporous silica nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1471-1482.	1.6	13
130	Nitrogen-Doped Hard Carbon on Nickel Foam as Free-Standing Anodes for High-Performance Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2020, 7, 604-613.	1.7	13
131	Synthesis of novel pyridinium 1,5-zwitterions and their reactivity with isatin-based $\beta$ -(trifluoromethyl)imines: a sulfur-controlled domino reaction. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3718-3723.	2.3	13
132	Synthesis and characterization of TiO <sub>2</sub> -incorporated silica foams. <i>Journal of Materials Science</i> , 2009, 44, 6484-6489.	1.7	12
133	Amplified inhibition of the electrochemical signal of graphene-thionine nanocomposites using silica nanopores for ultrasensitive electrochemical immunoassays. <i>Analytical Methods</i> , 2014, 6, 2080-2085.	1.3	12
134	Darzens reaction of thioisatins and sulfonium salts: approach to the synthesis of thiochromenone derivatives with anticancer potency. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3487-3494.	1.5	12
135	Early sex determination of Ginkgo biloba based on the differences in the electrocatalytic performance of extracted peroxidase. <i>Bioelectrochemistry</i> , 2021, 140, 107829.	2.4	12
136	Simultaneous Sensitive Determination of Dopamine and Uric Acid in the Presence of Excess Ascorbic Acid with a Magnetic Chitosan Microsphere/Thionine Modified Electrode. <i>Analytical Letters</i> , 2013, 46, 1525-1536.	1.0	11
137	A Catalyst-Free Approach to Construct 3-(Cyclopentenone)oxindoles Through a Phosphine-Ligand-Initiated Triple Domino Sequence. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 630-637.	1.3	11
138	Stability and controlled antibiotic release from thin films embedded with antibiotic loaded mesoporous silica nanoparticles. <i>RSC Advances</i> , 2015, 5, 107839-107846.	1.7	11
139	Development of Ag dendrites-reduced graphene oxide composite catalysts via galvanic replacement reaction. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 83, 146-150.	1.3	11
140	Electrochemical Enantiomer Recognition Based on sp <sup>3</sup> -to-sp <sup>2</sup> Converted Regenerative Graphene/Diamond Electrode. <i>Nanomaterials</i> , 2018, 8, 1050.	1.9	11
141	Single PdO loaded on boron nanosheet for methane oxidation: A DFT study. <i>Progress in Natural Science: Materials International</i> , 2019, 29, 367-369.	1.8	11
142	Hybridization chain reaction-enhanced enzyme biomineralization for ultrasensitive colorimetric biosensing of a protein biomarker. <i>Analyst</i> , 2019, 144, 5003-5009.	1.7	11
143	Construction of Benzothiophene or Benzothiopheno[2,3- <i>e</i> ]azepinedione Derivatives via Three-Component Domino or One-Pot Sequences. <i>Journal of Organic Chemistry</i> , 2020, 85, 12270-12283.	1.7	11
144	Esterified cellulose nanocrystals for reinforced epoxy nanocomposites. <i>Progress in Natural Science: Materials International</i> , 2022, 32, 328-333.	1.8	11

#	ARTICLE	IF	CITATIONS
145	Catalytic Oxidation of NADH at a Methylene-Green Chemically Modified Electrode and FIA Applications. <i>Analytical Letters</i> , 1995, 28, 1579-1591.	1.0	10
146	Preparation of sinapinaldehyde modified mesoporous silica materials and their application in selective extraction of trace Pb(II). <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 1274-1285.	1.8	10
147	One-Pot Preparation of Graphene/Gold Nanocomposites for Ultrasensitive Nonenzymatic Electrochemical Immunoassay. <i>Electroanalysis</i> , 2016, 28, 69-75.	1.5	10
148	Enzyme-catalyzed deposition of polydopamine for amplifying the signal inhibition to a novel Prussian blue-nanocomposite and ultrasensitive electrochemical immunosensing. <i>Journal of Materials Science and Technology</i> , 2022, 102, 166-173.	5.6	10
149	Sulfur-doped shaddock peel-derived hard carbons for enhanced surface capacity and kinetics of lithium-ion storage. <i>International Journal of Energy Research</i> , 2020, 44, 4026-4037.	2.2	10
150	$\beta$ -Cyclodextrin-Immobilized Ni/Graphene Electrode for Electrochemical Enantio-recognition of Phenylalanine. <i>Materials</i> , 2020, 13, 777.	1.3	10
151	Two-Dimensional Dy <sub>2</sub> O <sub>3</sub> -Pd-PDA/rGO Heterojunction Nanocomposite: Synergistic Effects of Hybridisation, UV Illumination and Relative Humidity on Hydrogen Gas Sensing. <i>Chemosensors</i> , 2022, 10, 78.	1.8	10
152	Ultra-Sensitive Photo-Induced Hydrogen Gas Sensor Based on Two-Dimensional CeO <sub>2</sub> -Pd-PDA/rGO Heterojunction Nanocomposite. <i>Nanomaterials</i> , 2022, 12, 1628.	1.9	10
153	Cs <sub>2</sub> CO <sub>3</sub> -Promoted Michael Addition-[2,3]-Sigmatropic Rearrangement Domino Reaction: Facile Synthesis of a $\beta$ -Substituted Indoles Bearing a Homoallyl Sulfide Moiety. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 1309-1313.	1.3	9
154	Synthesis of Polydopamine Hollow Capsules via a Polydopamine Mediated Silica Water Dissolution Process and Its Application for Enzyme Encapsulation. <i>Frontiers in Chemistry</i> , 2019, 7, 468.	1.8	9
155	Cauliflower-like Platinum Particles Decorated Reduced Graphene Oxide for Sensitive Determination of Acetaminophen. <i>Electroanalysis</i> , 2019, 31, 1758-1768.	1.5	9
156	Current Advances of Hollow Capsules as Controlled Drug Delivery Systems. <i>ChemistrySelect</i> , 2020, 5, 5537-5551.	0.7	9
157	Tunable synthesis of benzothiophene fused pyranone and thiochromen fused furan derivatives via a domino process. <i>Organic Chemistry Frontiers</i> , 2021, 8, 936-940.	2.3	9
158	Plasmonic properties of gold nanoparticles can promote neuronal activity. <i>Proceedings of SPIE</i> , 2013, , .	0.8	8
159	Impact of graphene oxide on dye absorption in composite hydrogels. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 649-653.	1.0	8
160	Synthesis of Benzothiophene-Fused Oxa[6.6.5]tricyclic Skeletons through a Cinchonidine- or NaOH-Promoted Quadruple Domino Sequence. <i>Chemistry - A European Journal</i> , 2019, 25, 9665-9669.	1.7	8
161	Development of a techno-economic framework for natural gas dehydration via absorption using tri-ethylene glycol: A comparative study between DRIZO and other dehydration processes. <i>South African Journal of Chemical Engineering</i> , 2020, 31, 17-24.	1.2	8
162	Additive-Free Baeyer-Villiger Oxidation of Cyclic Ketone Catalyzed by Carboxylic-Functionalized Poly(Ionic Liquids) and Polyoxometalate Ionic Self-Assemblies. <i>Catalysts</i> , 2020, 10, 127.	1.6	8

#	ARTICLE	IF	CITATIONS
163	Graphene Nanocomposites Based Electrochemical Sensing Platform for Simultaneous Detection of Multi-drugs. <i>Electroanalysis</i> , 2022, 34, 435-444.	1.5	8
164	Antibacterial Properties of Multi-Walled Carbon Nanotube-Silver Nanoparticles Composite Thin Films. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 1293-1297.	0.4	7
165	Synthesis of Benzothiophene-Fused Pyran Derivatives via Piperidine Promoted Domino Reaction. <i>Heteroatom Chemistry</i> , 2019, 2019, 1-6.	0.4	7
166	Corrosion Behavior of AISI 1045 Steel in Seawater in the Presence of <i>Flavobacterium</i> sp.. <i>Frontiers in Microbiology</i> , 2020, 11, 303.	1.5	7
167	Enzymatic deposition of gold nanoparticles at vertically aligned carbon nanotubes for electrochemical stripping analysis and ultrasensitive immunosensing of carcinoembryonic antigen. <i>Analyst</i> , 2020, 145, 3073-3080.	1.7	7
168	Divergent Construction of Benzothiophene-Fused N-Heterocycles via Stereotunable Three-Component Domino Reactions. <i>Journal of Organic Chemistry</i> , 2021, 86, 3860-3870.	1.7	7
169	Catalyst-controlled switchable [4 + 1], [4 + 3] and [3 + 2] domino reactions of azadienes and MBH carbonates: diverse synthesis of benzothiophene fused derivatives. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8783-8788.	1.5	7
170	An ionic liquid-based sorbent for solid phase extraction of trace iron(III) from biological and natural water samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1250-1261.	1.8	6
171	Electrochemical Behavior of 6-Mercapto-Purine at Hanging Copper Amalgam Dropping Electrode and Its Trace Determination by Differential Pulse Adsorption Cathodic Stripping Voltammetry. <i>Analytical Letters</i> , 1996, 29, 2743-2753.	1.0	5
172	Direct Functionalization of Azepane via Azomethine Ylides: A Highly Efficient Synthesis of Spirooxindoles Bearing a 1-Azabicyclo[5.3.0]decane Moiety. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1719-1723.	1.3	5
173	Amphiphilic poly(ionic liquid)/Wells-Dawson type phosphovanadomolybdate ionic composites as efficient and recyclable catalysts for the direct hydroxylation of benzene with H <sub>2</sub> O <sub>2</sub> . <i>Applied Organometallic Chemistry</i> , 2020, 34, e5606.	1.7	5
174	New biosensors made of specially designed transparent chips with nano-optical tags. <i>Smart Materials and Structures</i> , 2007, 16, 2214-2221.	1.8	4
175	Enzymatically active colloidal crystal arrays. <i>Journal of Colloid and Interface Science</i> , 2009, 330, 144-148.	5.0	4
176	Titania Opal and Inverse Opal Structures via Templating Polyelectrolyte Multilayer Coated Polystyrene Spheres. <i>Current Nanoscience</i> , 2010, 6, 206-212.	0.7	4
177	Carbon Nanotube-Polypyrrole Hybrid Films as Potentiometric Peroxide Biosensors. <i>Chemistry Letters</i> , 2012, 41, 1492-1494.	0.7	4
178	Silver nanowire as an efficient filler for high conductive polyurethane composites. <i>Materials Science and Technology</i> , 2019, 35, 462-468.	0.8	4
179	Dually enhanced homogenous synthesis of molybdophosphate by hybridization chain reaction and enzyme nanotags for the electrochemical bioassay of carcinoembryonic antigen. <i>Mikrochimica Acta</i> , 2020, 187, 361.	2.5	4
180	Amine-Mediated Domino Reaction of Thioisatins: Synthesis of Benzothiophene-Fused N-Heterocycles under Catalyst-Free Conditions. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 382-385.	1.3	4

#	ARTICLE	IF	CITATIONS
181	Stereoselective [4 + 3] annulation of azadienes and ethyl 4-bromo-3-oxobutanoate: construction of benzindeno-fused azepine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 9026-9030.	1.5	4
182	Fe <sub>3</sub> O <sub>4</sub> @polydopamine and Exo III-assisted homogeneous biorecognition reaction for convenient and ultrasensitive detection of kanamycin antibiotic. <i>Analyst</i> , 2021, 146, 1414-1420.	1.7	4
183	Hydrogen Peroxide Biosensors Based on the Immobilization of Hemoglobin on Amino-Silane Magnetic Nanoparticle-Contained Carbon Paste Electrodes. <i>Sensor Letters</i> , 2010, 8, 864-870.	0.4	4
184	Investigation of Gentamicin Release from Polydopamine Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6319.	1.3	4
185	Bioceramic Macrocapsules for Cell Immunoisolation. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3062-3065.	7.2	3
186	Editorial: Polydopamine-Based Nanostructures: Synthesis and Biomedical Applications. <i>Frontiers in Chemistry</i> , 2020, 8, 206.	1.8	3
187	Mesoporous Silica Hollow and Solid Spheres by Templating Poly(pyrrole) Inverse Opals. <i>Chemistry Letters</i> , 2011, 40, 874-876.	0.7	2
188	Functionalized Mesostructured Cellular Foams for Loading and Release of Streptomycin. <i>Chemistry Letters</i> , 2013, 42, 235-237.	0.7	2
189	Production of Cellulose Nanocrystals from Australian Wood Sources. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5642-5647.	0.9	2
190	Carbon nanotube based nanostructured thin films: preparation and application. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
191	Porous-Magnetic Chitosan Microsphere/Horseradish Peroxidase Modified Electrode for the Selective Determination of Hydrogen Peroxide. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 684-689.	0.4	1
192	Simple and Sensitive Glucose Biosensing Based on the Electrocatalysis of Oxygen Reduction by the Graphene/Palladium Nanocomposite. <i>Sensor Letters</i> , 2013, 11, 1600-1605.	0.4	1
193	Ternary polyurethane nanocomposites with remarkable electrical conductivity. <i>Materials Science and Technology</i> , 2020, 36, 540-547.	0.8	1
194	Editorial: Graphene-Enhanced Electrochemical Sensing Platforms. <i>Frontiers in Chemistry</i> , 2021, 9, 815981.	1.8	1
195	Hybrid Nanocomposite Colloidal Crystals via <i>In-Situ</i> Synthesis of Nanoparticles Within Polyelectrolyte Shell. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1330-1332.	0.9	0