Tao Yang

List of Publications by Year
in descending order

61	2,648	159585 30	189892 50
papers	citations	h-index	g-index

61	61	61	3691
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The ORF8 protein of SARS-CoV-2 mediates immune evasion through down-regulating MHC-Î™. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	317
2	Synthesis of Graphene Oxide-Based Sulfonated Oligoanilines Coatings for Synergistically Enhanced Corrosion Protection in 3.5% NaCl Solution. ACS Applied Materials & Interfaces, 2017, 9, 4034-4043.	8.0	187
3	A label-free ultrasensitive electrochemical DNA sensor based on thin-layer MoS2 nanosheets with high electrochemical activity. Biosensors and Bioelectronics, 2015, 64, 386-391.	10.1	150
4	Immobilization-free direct electrochemical detection for DNA specific sequences based on electrochemically converted gold nanoparticles/graphene composite film. Journal of Materials Chemistry, 2010, 20, 9253.	6.7	121
5	Synergistically improved sensitivity for the detection of specific DNA sequences using polyaniline nanofibers and multi-walled carbon nanotubes composites. Biosensors and Bioelectronics, 2009, 24, 2165-2170.	10.1	118
6	A review of ratiometric electrochemical sensors: From design schemes to future prospects. Sensors and Actuators B: Chemical, 2018, 274, 501-516.	7.8	118
7	Polydopamine modified polyaniline-graphene oxide composite for enhancement of corrosion resistance. Journal of Hazardous Materials, 2019, 377, 142-151.	12.4	93
8	An electrochemical ratiometric sensor based on 2D MOF nanosheet/Au/polyxanthurenic acid composite for detection of dopamine. Journal of Electroanalytical Chemistry, 2019, 835, 123-129.	3.8	84
9	Embedded Au Nanoparticles-Based Ratiometric Electrochemical Sensing Strategy for Sensitive and Reliable Detection of Copper Ions. Analytical Chemistry, 2019, 91, 12006-12013.	6.5	70
10	Electrocatalytic determination of chloramphenicol based on molybdenum disulfide nanosheets and self-doped polyaniline. Talanta, 2015, 131, 619-623.	5.5	69
11	Porous Metalâ€“Organic Framework Catalyzing the Three-Component Coupling of Sulfonyl Azide, Alkyne, and Amine. Inorganic Chemistry, 2013, 52, 9053-9059.	4.0	62
12	Direct and Freely Switchable Detection of Target Genes Engineered by Reduced Graphene Oxide-Poly(m-Aminobenzenesulfonic Acid) Nanocomposite via Synchronous Pulse Electrosynthesis. Analytical Chemistry, 2013, 85, 1358-1366.	6.5	62
13	Toward DNA electrochemical sensing by free-standing ZnO nanosheets grown on 2D thin-layered MoS2. Biosensors and Bioelectronics, 2017, 89, 538-544.	10.1	60
14	Enhancement of the corrosion resistance of epoxy coating by highly stable 3, 4, 9, 10-perylene tetracarboxylic acid functionalized graphene. Journal of Hazardous Materials, 2018, 357, 475-482.	12.4	56
15	A PDDA/poly(2,6-pyridinedicarboxylic acid)-CNTs composite film DNA electrochemical sensor and its application for the detection of specific sequences related to PAT gene and NOS gene. Talanta, 2008, 75, 987-994.	5.5	55
16	Synchronous Electrosynthesis of Poly(xanthurenic acid)-Reduced Graphene Oxide Nanocomposite for Highly Sensitive Impedimetric Detection of DNA. ACS Applied Materials & Interfaces, 2013, 5, 3495-3499.	8.0	55
17	Freely switchable impedimetric detection of target gene sequence based on synergistic effect of ERGNO/PANInanocomposites. Biosensors and Bioelectronics, 2013, 42, 415-418.	10.1	55
18	A porous metalâ€“organic cage constructed from dirhodium paddle-wheels: synthesis, structure and catalysis. Journal of Materials Chemistry A, 2015, 3, 20201-20209.	10.3	51

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19	Highly sensitive determination of chloramphenicol based on thin-layered MoS2/polyaniline nanocomposite. Talanta, 2015, 144, 1324-1328.	5.5	50
20	Electrocatalytic Activity of Molybdenum Disulfide Nanosheets Enhanced by Self-Doped Polyaniline for Highly Sensitive and Synergistic Determination of Adenine and Guanine. ACS Applied Materials & Interfaces, 2015, 7, 2867-2872.	8.0	49
21	Using poly(m-aminobenzenesulfonic acid)-reduced MoS2 nanocomposite synergistic electrocatalysis for determination of dopamine. Sensors and Actuators B: Chemical, 2017, 249, 451-457.	7.8	45
22	Enhanced electropolymerization of poly(xanthurenic acid)â€“MoS₂ film for specific electrocatalytic detection of guanine and adenine. Journal of Materials Chemistry B, 2015, 3, 4884-4891.	5.8	43
23	Large-area, three-dimensional interconnected graphene oxide intercalated with self-doped polyaniline nanofibers as a free-standing electrocatalytic platform for adenine and guanine. Journal of Materials Chemistry B, 2013, 1, 2926.	5.8	39
24	Direct Electrochemical DNA Detection Originated from the Self-Redox Signal of Sulfonated Polyaniline Enhanced by Graphene Oxide in Neutral Solution. ACS Applied Materials & Interfaces, 2013, 5, 10889-10894.	8.0	36
25	Graphene-Based Polyaniline Arrays for Deoxyribonucleic Acid Electrochemical Sensor: Effect of Nanostructure on Sensitivity. ACS Applied Materials & Interfaces, 2014, 6, 19050-19056.	8.0	36
26	Nucleic acid-based ratiometric electrochemiluminescent, electrochemical and photoelectrochemical biosensors: a review. Mikrochimica Acta, 2019, 186, 405.	5.0	33
27	Dehydration and rehydration behavior of a trinodal topological 3-D framework of Cd(II) benzimidazole-5,6-dicarboxylate. CrystEngComm, 2009, 11, 2712.	2.6	31
28	Morphology-controlled synthesis of Bi2S3 microstructures. CrystEngComm, 2011, 13, 3087.	2.6	30
29	Highly Sensitive and Synergistic Detection of Guanine and Adenine Based on Poly(xanthurenic) Tj ETQq1 1 0.784314 rgBT /Overlock 10	8.0	30
30	Synthesis of Thinâ€Layered Molybdenum Disulfideâ€Based Polyaniline Nanointerfaces for Enhanced Direct Electrochemical DNA Detection. Advanced Materials Interfaces, 2016, 3, 1500700.	3.7	30
31	Highly sensitive electrochemical impedance sensing of PEP gene based on integrated Auâ€“Pt alloy nanoparticles and polytyramine. Colloids and Surfaces B: Biointerfaces, 2012, 97, 150-154.	5.0	27
32	From Homogeneous to Heterogeneous Catalysis of the Threeâ€Component Coupling of Oxysulfonyl Azides, Alkynes, and Amines. ChemCatChem, 2013, 5, 3131-3138.	3.7	27
33	Single stranded DNA-guided electropolymerization of polythionine nanostrip to the sensing of H2O2. Colloids and Surfaces B: Biointerfaces, 2011, 83, 179-182.	5.0	26
34	A glassy carbon electrode modified with a nanocomposite consisting of molybdenum disulfide intercalated into self-doped polyaniline for the detection of bisphenol A. Mikrochimica Acta, 2015, 182, 2623-2628.	5.0	25
35	Advances in Portable Visual Detection of Pathogenic Bacteria. ACS Applied Bio Materials, 2020, 3, 7291-7305.	4.6	24
36	A Novel Hydrogen Peroxide Biosensor Based on the Synergistic Effect of Goldâ€Platinum Alloy Nanoparticles/Polyaniline Nanotube/Chitosan Nanocomposite Membrane. Electroanalysis, 2009, 21, 819-825.	2.9	22

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37	Electrochemical impedimetric DNA sensing based on multi-walled carbon nanotubesâ€“SnO2â€“chitosan nanocomposite. Colloids and Surfaces B: Biointerfaces, 2013, 107, 257-261.	5.0	21
38	Uniform and Vertically Oriented ZnO Nanosheets Based on Thin-Layered MoS₂: Synthesis and High-Sensing Ability. ACS Sustainable Chemistry and Engineering, 2017, 5, 1332-1338.	6.7	20
39	Electrochemically reduced graphene oxide-enhanced electropolymerization of poly-xanthurenic acid for direct, â€œsignal-onâ€•and high sensitive impedimetric sensing of DNA. Polymer Chemistry, 2013, 4, 1228-1234.	3.9	19
40	Direct Electrochemical Vibrio DNA Sensing Adopting Highly Stable Grapheneâ€“Flavin Mononucleotide Aqueous Dispersion Modified Interface. ACS Applied Materials & Interfaces, 2018, 10, 4540-4547.	8.0	19
41	Sensitively Electrochemical Sensing for Sequenceâ€Specific Detection of Phosphinothricin Acetyltransferase Gene: Layerâ€byâ€Layer Films of Polyâ€<scp>L</scp>â€Lysine and Auâ€Carbon Nanotube Hybrid. Electroanalysis, 2009, 21, 2521-2526.	2.9	17
42	Nano Au/TiO2 hollow microsphere membranes for the improved sensitivity of detecting specific DNA sequences related to transgenes in transgenic plants. Science in China Series B: Chemistry, 2008, 51, 1066-1073.	0.8	16
43	Shape-controllable ZnO nanostructures based on synchronously electrochemically reduced graphene oxide and their morphology-dependent electrochemical performance. Electrochimica Acta, 2015, 182, 1037-1045.	5.2	16
44	Comparative studies on zirconia and graphene composites obtained by one-step and stepwise electrodeposition for deoxyribonucleic acid sensing. Analytica Chimica Acta, 2013, 786, 29-33.	5.4	15
45	Highly stretchable composites based on cellulose. International Journal of Biological Macromolecules, 2021, 170, 71-87.	7.5	11
46	A novel ratiometric electrochemical cupric ion sensing strategy based on unmodified electrode. Analytica Chimica Acta, 2021, 1146, 11-16.	5.4	11
47	Immobilization and hybridization of DNA based on magnesium ion modified 2,6-pyridinedicarboxylic acid polymer and its application for label-free PAT gene fragment detection by electrochemical impedance spectroscopy. Science in China Series B: Chemistry, 2007, 50, 538-546.	0.8	9
48	Controllable fabrication of Au micro/nanostructures on self-doped polyaniline nanofibers via electrochemical deposition and its application for DNA immobilization. Science Bulletin, 2010, 55, 4125-4131.	1.7	9
49	A simple preparation method for large-area, wavy graphene oxide nanowalls and their application to freely switchable impedimetric DNA detection. RSC Advances, 2013, 3, 22430.	3.6	9
50	One-step electropolymerization of xanthurenic acidâ€“graphene film prepared by a pulse potentiostatic method for simultaneous detection of guanine and adenine. Polymer Chemistry, 2014, 5, 2214.	3.9	9
51	A ratiometric electrochemical deoxyribonucleic acid sensing strategy based on self-signal of highly stable reduced graphene oxide-flavin mononucleotide aqueous dispersion modified nanointerface. Sensors and Actuators B: Chemical, 2018, 267, 519-524.	7.8	9
52	The effect of material composition of 3-dimensional graphene oxide and self-doped polyaniline nanocomposites on DNA analytical sensitivity. Colloids and Surfaces B: Biointerfaces, 2015, 133, 24-31.	5.0	8
53	A sensor based on polyaniline nanofibers/ionic liquid-functionalized carbon nanotubes composite for electrocatalytic oxidation of guanine. Journal of the Iranian Chemical Society, 2016, 13, 1611-1615.	2.2	8
54	PIWIL4 Maintains HIV-1 Latency by Enforcing Epigenetically Suppressive Modifications on the 5â€² Long Terminal Repeat. Journal of Virology, 2020, 94, .	3.4	8

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55	Glycopeptide Antibiotic Teicoplanin Inhibits Cell Entry of SARS-CoV-2 by Suppressing the Proteolytic Activity of Cathepsin L. Frontiers in Microbiology, 2022, 13, 884034.	3.5	8
56	Carbon nanotubes/(pLys/dsDNA) n layer-by-layer multilayer films for electrochemical studies of DNA damage. Journal of Solid State Electrochemistry, 2010, 14, 2261-2266.	2.5	6
57	Synergistic Effect of MWNTs/CeO₂/CHIT Film for Detection of CdSe Nanoparticle Labeled Sequenceâ€Specific of 35S Promoter of Cauliflower Mosaic Virus Gene. Electroanalysis, 2012, 24, 392-397.	2.9	6
58	Electrodeposition of Prussian Blue Nanoparticles on Electrochemically Reduced Graphene Oxide and Synergistically Electrocatalytic Activity toward Guanine. Chinese Journal of Chemistry, 2012, 30, 1966-1969.	4.9	4
59	Sulfonated polyanilineâ€graphene oxide hybrids: Synthesis and effect of monomer composition on the electrochemical signal for direct DNA detection. Journal of Polymer Science Part A, 2016, 54, 1762-1773.	2.3	4
60	Electrochemical Characterization of (ZnO/dsDNA)_n Layerâ€byâ€layer Films and Detection of Natural DNA Oxidative Damage. Chinese Journal of Chemistry, 2009, 27, 1886-1890.	4.9	0
61	Al3+/graphene composites for electrochemical detection of DNA cleavage. Science China Chemistry, 2013, 56, 1325-1330.	8.2	0