

Tao Yang

List of Publications by Year in descending order

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61
papers

2,648
citations

159585

30
h-index

189892

50
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61
all docs

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docs citations

61
times ranked

3691
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycopeptide Antibiotic Teicoplanin Inhibits Cell Entry of SARS-CoV-2 by Suppressing the Proteolytic Activity of Cathepsin L. <i>Frontiers in Microbiology</i> , 2022, 13, 884034.	3.5	8
2	Highly stretchable composites based on cellulose. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 71-87.	7.5	11
3	A novel ratiometric electrochemical cupric ion sensing strategy based on unmodified electrode. <i>Analytica Chimica Acta</i> , 2021, 1146, 11-16.	5.4	11
4	The ORF8 protein of SARS-CoV-2 mediates immune evasion through down-regulating MHC-Î™. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	317
5	Advances in Portable Visual Detection of Pathogenic Bacteria. <i>ACS Applied Bio Materials</i> , 2020, 3, 7291-7305.	4.6	24
6	PIWIL4 Maintains HIV-1 Latency by Enforcing Epigenetically Suppressive Modifications on the 5â€² Long Terminal Repeat. <i>Journal of Virology</i> , 2020, 94, .	3.4	8
7	Embedded Au Nanoparticles-Based Ratiometric Electrochemical Sensing Strategy for Sensitive and Reliable Detection of Copper Ions. <i>Analytical Chemistry</i> , 2019, 91, 12006-12013.	6.5	70
8	Polydopamine modified polyaniline-graphene oxide composite for enhancement of corrosion resistance. <i>Journal of Hazardous Materials</i> , 2019, 377, 142-151.	12.4	93
9	Nucleic acid-based ratiometric electrochemiluminescent, electrochemical and photoelectrochemical biosensors: a review. <i>Mikrochimica Acta</i> , 2019, 186, 405.	5.0	33
10	An electrochemical ratiometric sensor based on 2D MOF nanosheet/Au/polyxanthurenic acid composite for detection of dopamine. <i>Journal of Electroanalytical Chemistry</i> , 2019, 835, 123-129.	3.8	84
11	Direct Electrochemical <i>Vibrio</i> DNA Sensing Adopting Highly Stable Grapheneâ€“Flavin Mononucleotide Aqueous Dispersion Modified Interface. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4540-4547.	8.0	19
12	Enhancement of the corrosion resistance of epoxy coating by highly stable 3, 4, 9, 10-perylene tetracarboxylic acid functionalized graphene. <i>Journal of Hazardous Materials</i> , 2018, 357, 475-482.	12.4	56
13	A review of ratiometric electrochemical sensors: From design schemes to future prospects. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 501-516.	7.8	118
14	A ratiometric electrochemical deoxyribonucleic acid sensing strategy based on self-signal of highly stable reduced graphene oxide-flavin mononucleotide aqueous dispersion modified nanointerface. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 519-524.	7.8	9
15	Toward DNA electrochemical sensing by free-standing ZnO nanosheets grown on 2D thin-layered MoS ₂ . <i>Biosensors and Bioelectronics</i> , 2017, 89, 538-544.	10.1	60
16	Uniform and Vertically Oriented ZnO Nanosheets Based on Thin-Layered MoS ₂ : Synthesis and High-Sensing Ability. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1332-1338.	6.7	20
17	Synthesis of Graphene Oxide-Based Sulfonated Oligoanilines Coatings for Synergistically Enhanced Corrosion Protection in 3.5% NaCl Solution. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4034-4043.	8.0	187
18	Using poly(m-aminobenzenesulfonic acid)-reduced MoS ₂ nanocomposite synergistic electrocatalysis for determination of dopamine. <i>Sensors and Actuators B: Chemical</i> , 2017, 249, 451-457.	7.8	45

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19	A sensor based on polyaniline nanofibers/ionic liquid-functionalized carbon nanotubes composite for electrocatalytic oxidation of guanine. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1611-1615.	2.2	8
20	Sulfonated polyaniline-graphene oxide hybrids: Synthesis and effect of monomer composition on the electrochemical signal for direct DNA detection. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1762-1773.	2.3	4
21	Synthesis of Thin-Layered Molybdenum Disulfide-Based Polyaniline Nanointerfaces for Enhanced Direct Electrochemical DNA Detection. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500700.	3.7	30
22	Enhanced electropolymerization of poly(xanthurenic acid)-MoS ₂ film for specific electrocatalytic detection of guanine and adenine. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4884-4891.	5.8	43
23	The effect of material composition of 3-dimensional graphene oxide and self-doped polyaniline nanocomposites on DNA analytical sensitivity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 24-31.	5.0	8
24	Electrocatalytic Activity of Molybdenum Disulfide Nanosheets Enhanced by Self-Doped Polyaniline for Highly Sensitive and Synergistic Determination of Adenine and Guanine. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2867-2872.	8.0	49
25	Highly sensitive determination of chloramphenicol based on thin-layered MoS ₂ /polyaniline nanocomposite. <i>Talanta</i> , 2015, 144, 1324-1328.	5.5	50
26	Shape-controllable ZnO nanostructures based on synchronously electrochemically reduced graphene oxide and their morphology-dependent electrochemical performance. <i>Electrochimica Acta</i> , 2015, 182, 1037-1045.	5.2	16
27	A porous metal-organic cage constructed from dirhodium paddle-wheels: synthesis, structure and catalysis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20201-20209.	10.3	51
28	A glassy carbon electrode modified with a nanocomposite consisting of molybdenum disulfide intercalated into self-doped polyaniline for the detection of bisphenol A. <i>Mikrochimica Acta</i> , 2015, 182, 2623-2628.	5.0	25
29	Electrocatalytic determination of chloramphenicol based on molybdenum disulfide nanosheets and self-doped polyaniline. <i>Talanta</i> , 2015, 131, 619-623.	5.5	69
30	A label-free ultrasensitive electrochemical DNA sensor based on thin-layer MoS ₂ nanosheets with high electrochemical activity. <i>Biosensors and Bioelectronics</i> , 2015, 64, 386-391.	10.1	150
31	Graphene-Based Polyaniline Arrays for Deoxyribonucleic Acid Electrochemical Sensor: Effect of Nanostructure on Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19050-19056.	8.0	36
32	Highly Sensitive and Synergistic Detection of Guanine and Adenine Based on Poly(xanthurenic acid)-graphene film prepared by a pulse potentiostatic method for simultaneous detection of guanine and adenine. <i>Polymer Chemistry</i> , 2014, 5, 2214.	8.0	30
33	One-step electropolymerization of xanthurenic acid-graphene film prepared by a pulse potentiostatic method for simultaneous detection of guanine and adenine. <i>Polymer Chemistry</i> , 2014, 5, 2214.	3.9	9
34	Porous Metal-Organic Framework Catalyzing the Three-Component Coupling of Sulfonyl Azide, Alkyne, and Amine. <i>Inorganic Chemistry</i> , 2013, 52, 9053-9059.	4.0	62
35	From Homogeneous to Heterogeneous Catalysis of the Three-Component Coupling of Oxysulfonyl Azides, Alkynes, and Amines. <i>ChemCatChem</i> , 2013, 5, 3131-3138.	3.7	27
36	Al ³⁺ /graphene composites for electrochemical detection of DNA cleavage. <i>Science China Chemistry</i> , 2013, 56, 1325-1330.	8.2	0

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37	Electrochemical impedimetric DNA sensing based on multi-walled carbon nanotubes@SnO ₂ @chitosan nanocomposite. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 107, 257-261.	5.0	21
38	Synchronous Electrosynthesis of Poly(xanthurenic acid)-Reduced Graphene Oxide Nanocomposite for Highly Sensitive Impedimetric Detection of DNA. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3495-3499.	8.0	55
39	Direct and Freely Switchable Detection of Target Genes Engineered by Reduced Graphene Oxide-Poly(<i>m</i> -Aminobenzenesulfonic Acid) Nanocomposite via Synchronous Pulse Electrosynthesis. <i>Analytical Chemistry</i> , 2013, 85, 1358-1366.	6.5	62
40	Electrochemically reduced graphene oxide-enhanced electropolymerization of poly-xanthurenic acid for direct, "signal-on" and high sensitive impedimetric sensing of DNA. <i>Polymer Chemistry</i> , 2013, 4, 1228-1234.	3.9	19
41	Large-area, three-dimensional interconnected graphene oxide intercalated with self-doped polyaniline nanofibers as a free-standing electrocatalytic platform for adenine and guanine. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2926.	5.8	39
42	Freely switchable impedimetric detection of target gene sequence based on synergistic effect of ERGNO/PAN nanocomposites. <i>Biosensors and Bioelectronics</i> , 2013, 42, 415-418.	10.1	55
43	Comparative studies on zirconia and graphene composites obtained by one-step and stepwise electrodeposition for deoxyribonucleic acid sensing. <i>Analytica Chimica Acta</i> , 2013, 786, 29-33.	5.4	15
44	Direct Electrochemical DNA Detection Originated from the Self-Redox Signal of Sulfonated Polyaniline Enhanced by Graphene Oxide in Neutral Solution. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 10889-10894.	8.0	36
45	A simple preparation method for large-area, wavy graphene oxide nanowalls and their application to freely switchable impedimetric DNA detection. <i>RSC Advances</i> , 2013, 3, 22430.	3.6	9
46	Electrodeposition of Prussian Blue Nanoparticles on Electrochemically Reduced Graphene Oxide and Synergistically Electrocatalytic Activity toward Guanine. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1966-1969.	4.9	4
47	Highly sensitive electrochemical impedance sensing of PEP gene based on integrated Au@Pt alloy nanoparticles and polytyramine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 97, 150-154.	5.0	27
48	Synergistic Effect of MWNTs/CeO ₂ /CHIT Film for Detection of CdSe Nanoparticle Labeled Sequence-specific of 35S Promoter of Cauliflower Mosaic Virus Gene. <i>Electroanalysis</i> , 2012, 24, 392-397.	2.9	6
49	Morphology-controlled synthesis of Bi ₂ S ₃ microstructures. <i>CrystEngComm</i> , 2011, 13, 3087.	2.6	30
50	Single stranded DNA-guided electropolymerization of polythionine nanostrip to the sensing of H ₂ O ₂ . <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 83, 179-182.	5.0	26
51	Carbon nanotubes/(pLys/dsDNA) <i>n</i> layer-by-layer multilayer films for electrochemical studies of DNA damage. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 2261-2266.	2.5	6
52	Controllable fabrication of Au micro/nanostructures on self-doped polyaniline nanofibers via electrochemical deposition and its application for DNA immobilization. <i>Science Bulletin</i> , 2010, 55, 4125-4131.	1.7	9
53	Immobilization-free direct electrochemical detection for DNA specific sequences based on electrochemically converted gold nanoparticles/graphene composite film. <i>Journal of Materials Chemistry</i> , 2010, 20, 9253.	6.7	121
54	Electrochemical Characterization of (ZnO/dsDNA) <i>n</i> -layer-by-layer Films and Detection of Natural DNA Oxidative Damage. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1886-1890.	4.9	0

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55	A Novel Hydrogen Peroxide Biosensor Based on the Synergistic Effect of Gold-Platinum Alloy Nanoparticles/Polyaniline Nanotube/Chitosan Nanocomposite Membrane. <i>Electroanalysis</i> , 2009, 21, 819-825.	2.9	22
56	Sensitively Electrochemical Sensing for Sequence-Specific Detection of Phosphinothricin Acetyltransferase Gene: Layer-by-Layer Films of Poly-L-Lysine and Au-Carbon Nanotube Hybrid. <i>Electroanalysis</i> , 2009, 21, 2521-2526.	2.9	17
57	Synergistically improved sensitivity for the detection of specific DNA sequences using polyaniline nanofibers and multi-walled carbon nanotubes composites. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2165-2170.	10.1	118
58	Dehydration and rehydration behavior of a trinodal topological 3-D framework of Cd(II) benzimidazole-5,6-dicarboxylate. <i>CrystEngComm</i> , 2009, 11, 2712.	2.6	31
59	Nano Au/TiO ₂ hollow microsphere membranes for the improved sensitivity of detecting specific DNA sequences related to transgenes in transgenic plants. <i>Science in China Series B: Chemistry</i> , 2008, 51, 1066-1073.	0.8	16
60	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. <i>Talanta</i> , 2008, 75, 987-994.	5.5	55
61	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. <i>Science in China Series B: Chemistry</i> , 2007, 50, 538-546.	0.8	9