Yingwei Zhang

List of Publications by Year
in descending order

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		236612	223531
53	2,706	25	46
papers	citations	h-index	g-index

53	53	53	4125
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dual-color graphene quantum dots and carbon nanoparticles biosensing platform combined with Exonuclease III-assisted signal amplification for simultaneous detection of multiple DNA targets. Analytica Chimica Acta, 2021, 1154, 338346.	2.6	15
2	DNA Origami Guided Self-Assembly of Plasmonic Polymers with Robust Long-Range Plasmonic Resonance. Nano Letters, 2020, 20, 8926-8932.	4.5	47
3	Programming the Nucleation of DNA Brick Selfâ€Assembly with a Seeding Strand. Angewandte Chemie - International Edition, 2020, 59, 8594-8600.	7.2	12
4	Programming the Nucleation of DNA Brick Selfâ€Assembly with a Seeding Strand. Angewandte Chemie, 2020, 132, 8672-8678.	1.6	2
5	Programming DNA Tube Circumference by Tile Offset Connection. Journal of the American Chemical Society, 2019, 141, 19529-19532.	6.6	11
6	Constructing a Multiplexed DNA Pattern by Combining Precise Magnetic Manipulation and DNA-Driven Assembly. Langmuir, 2018, 34, 1100-1108.	1.6	3
7	Design and operation of reconfigurable two-dimensional DNA molecular arrays. Nature Protocols, 2018, 13, 2312-2329.	5.5	30
8	Tuning the Aggregation/Disaggregation Behavior of Graphene Quantum Dots by Structure-Switching Aptamer for High-Sensitivity Fluorescent Ochratoxin A Sensor. Analytical Chemistry, 2017, 89, 1704-1709.	3.2	113
9	Macroscopic supramolecular assembly to fabricate multiplexed DNA patterns for potential application in DNA chips. Nanoscale, 2017, 9, 17220-17223.	2.8	4
10	Fabrication of covalently linked PAH/PVS layer-by-layer assembled multilayers via a post-photochemical cross-linking strategy. Chemical Research in Chinese Universities, 2016, 32, 493-498.	1.3	3
11	Adaptive Output Tracking Control for Nonlinear Systems with Failed Actuators and Aircraft Flight System Applications. Mathematical Problems in Engineering, 2015, 2015, 1-14.	0.6	0
12	Process Fault Detection Using Directional Kernel Partial Least Squares. Industrial & Engineering Chemistry Research, 2015, 54, 2509-2518.	1.8	37
13	Construction of Plasmonic Coreâ€“Satellite Nanostructures on Substrates Based on DNA-Directed Self-Assembly as a Sensitive and Reproducible Biosensor. ACS Applied Materials & Interfaces, 2015, 7, 27131-27139.	4.0	23
14	Kernel least squares regression for fault isolation. , 2014, , .		0
15	Rapid multilayer construction on a non-planar substrate by layer-by-layer self-assembly under high gravity. RSC Advances, 2014, 4, 59528-59534.	1.7	10
16	Fault Detection for Time-Varying Processes. IEEE Transactions on Control Systems Technology, 2014, 22, 1527-1535.	3.2	11
17	Fault Detection of Non-Gaussian Processes Based on Model Migration. IEEE Transactions on Control Systems Technology, 2013, 21, 1517-1526.	3.2	38
18	Submicrometre-scale polyaniline colloidal spheres: photopolymerization preparation using fluorescent carbon nitride dots as a photocatalyst. Catalysis Science and Technology, 2012, 2, 711.	2.1	35

#	Article	IF	Citations
19	Photocatalytic synthesis of highly dispersed Pd nanoparticles on reduced graphene oxide and their application in methanol electro-oxidation. Catalysis Science and Technology, 2012, 2, 1153.	2.1	74
20	A novel acid-driven, microwave-assisted, one-pot strategy toward rapid production of graphitic N-doped carbon nanoparticles-decorated carbon flakes from N,N-dimethylformamide and their application in removal of dye from water. RSC Advances, 2012, 2, 4632.	1.7	31
21	Novel application of CoFe layered double hydroxide nanoplates for colorimetric detection of H2O2 and glucose. Analyst, The, 2012, 137, 1325.	1.7	99
22	Biomolecule-Assisted, Environmentally Friendly, One-Pot Synthesis of CuS/Reduced Graphene Oxide Nanocomposites with Enhanced Photocatalytic Performance. Langmuir, 2012, 28, 12893-12900.	1.6	269
23	A simple route for preparation of highly stable CuO nanoparticles for nonenzymatic glucose detection. Catalysis Science and Technology, 2012, 2, 813.	2.1	85
24	One-pot green synthesis of Ag nanoparticles-graphene nanocomposites and their applications in SERS, H₂O₂, and glucose sensing. RSC Advances, 2012, 2, 538-545.	1.7	274
25	One-step preparation of ZnO nanoparticle-decorated reduced graphene oxide composites and their application to photocurrent generation. RSC Advances, 2012, 2, 1318.	1.7	46
26	Novel Use of Poly(3,4-ethylenedioxythiophene) Nanoparticles for Fluorescent Nucleic Acid Detection. ACS Combinatorial Science, 2012, 14, 191-196.	3.8	24
27	Fast and Sensitive Colorimetric Detection of H₂O₂ and Glucose: A Strategy Based on Polyoxometalate Clusters. ChemPlusChem, 2012, 77, 541-544.	1.3	71
28	Environmentally Friendly Photocatalytic Synthesis of Porphyrin/Ag Nanoparticles/Reduced Graphene Oxide Ternary Nanohybrids Having Superior Catalytic Activity. ChemPlusChem, 2012, 77, 545-550.	1.3	21
29	A Novel Single Fluorophore-Labeled Double-Stranded Oligonucleotide Probe for Fluorescence-Enhanced Nucleic Acid Detection Based on the Inherent Quenching Ability of Deoxyguanosine Bases and Competitive Strand-Displacement Reaction. Journal of Fluorescence, 2012, 22, 43-46.	1.3	3
30	Detection of single-stranded nucleic acids by hybridization of probe oligonucleotides on polystyrene nanospheres and subsequent release and recovery of fluorescence. RSC Advances, 2011, 1, 1318.	1.7	7
31	Multi-walled carbon nanotubes as an effective fluorescent sensing platform for nucleic acid detection. Journal of Materials Chemistry, 2011, 21, 824-828.	6.7	83
32	A novel fluorescent aptasensor for thrombin detection: using poly(m-phenylenediamine) rods as an effective sensing platform. Chemical Communications, 2011, 47, 3927.	2.2	54
33	Carbon nanospheres for fluorescent biomolecular detection. Journal of Materials Chemistry, 2011, 21, 4663.	6.7	50
34	Microwave-assisted, environmentally friendly, one-pot preparation of Pd nanoparticles/graphene nanocomposites and their application in electrocatalytic oxidation of methanol. Catalysis Science and Technology, 2011, 1, 1636.	2.1	57
35	Tetracyanoquinodimethane nanoparticles as an effective sensing platform for fluorescent nucleic acid detection. Analytical Methods, 2011, 3, 1051.	1.3	14
36	Ag@Poly(m-phenylenediamine) Coreâ"Shell Nanoparticles for Highly Selective, Multiplex Nucleic Acid Detection. Langmuir, 2011, 27, 2170-2175.	1.6	101

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37	In situ green synthesis of Au nanostructures on graphene oxide and their application for catalytic reduction of 4-nitrophenol. Catalysis Science and Technology, 2011, 1, 1142.	2.1	239
38	Fluorescence-Enhanced Potassium Ions Detection Based on Inherent Quenching Ability of Deoxyguanosines and K+-Induced Conformational Transition of G-Rich ssDNA from Duplex to G-Quadruplex Structures. Journal of Fluorescence, 2011, 21, 1841-1846.	1.3	14
39	Microwave-assisted rapid synthesis of Pt/graphene nanosheet composites and their application for methanol oxidation. Journal of Nanoparticle Research, 2011, 13, 4731-4737.	0.8	37
40	Mesoporous carbon microparticles as a novel fluorescent sensing platform for thrombin detection. Biosensors and Bioelectronics, 2011, 26, 3876-3880.	5.3	18
41	Fault-tolerant control of nonlinear system. International Journal of Control, Automation and Systems, 2011, 9, 1116-1123.	1.6	6
42	Macromol. Rapid Commun. 12/2011. Macromolecular Rapid Communications, 2011, 32, .	2.0	0
43	Actuator Fault Compensation for Nonlinear Systems Using Adaptive Tracking Control. Circuits, Systems, and Signal Processing, 2010, 29, 419-430.	1.2	4
44	Stability of Nonlinear Networked Control System withÂUncertainties. Circuits, Systems, and Signal Processing, 2010, 29, 1041-1060.	1.2	10
45	Absolute stability of Lur'e singularly perturbed systems with multiple nonlinearities. , 2010, , .		1
46	Stable Aqueous Dispersion of Graphene Nanosheets: Noncovalent Functionalization by a Polymeric Reducing Agent and Their Subsequent Decoration with Ag Nanoparticles for Enzymeless Hydrogen Peroxide Detection. Macromolecules, 2010, 43, 10078-10083.	2.2	370
47	Optimal control of continuous annealing process using PSO. , 2009, , .		15
48	Approximate dynamic programming of continuous annealing process. , 2009, , .		0
49	Adaptive actuator/component fault compensation for nonlinear systems. AICHE Journal, 2008, 54, 2404-2412.	1.8	42
50	Improved nonlinear fault detection technique and statistical analysis. AICHE Journal, 2008, 54, 3207-3220.	1.8	96
51	Fault Detection and Diagnosis of Nonlinear Processes Using Improved Kernel Independent Component Analysis (KICA) and Support Vector Machine (SVM). Industrial & Engineering Chemistry Research, 2008, 47, 6961-6971.	1.8	85
52	Fault detection of nonlinear dynamic processes using dynamic kernel principal component analysis. , 2008, , .		4
53	Fault Diagnosis and Isolation of Multi-Input-Multi-Output Networked Control Systems. Industrial & Engineering Chemistry Research, 2008, 47, 2636-2642.	1.8	8