

Jianhua

List of Publications by Year in descending order

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53
papers

880
citations

430874

18
h-index

501196

28
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53
all docs

53
docs citations

53
times ranked

1313
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium-Gold Modified Ultramicro Interdigital Array Electrode Chip for Nitrate Detection in Neutral Water. <i>Micromachines</i> , 2019, 10, 223.	2.9	17
2	Temperature-controlled ionic liquid dispersive liquid-liquid microextraction combined with fluorescence detection of ultra-trace Hg ²⁺ in water. <i>Analytical Methods</i> , 2019, 11, 2669-2676.	2.7	23
3	A multi-parameter integrated chip system for water quality detection. <i>International Journal of Modern Physics B</i> , 2019, 33, 1950041.	2.0	2
4	A Portable Sensor System for Determination of Copper Ions in Waters with Android Device. , 2019, , .		3
5	Cationic Surfactant Enhanced Detection of Tetrabromobisphenol A with Boron-doped Diamond Electrode. , 2019, , .		1
6	Synthesis and electrochemical sensing application of poly(3,4-ethylenedioxythiophene)-based materials: A review. <i>Analytica Chimica Acta</i> , 2018, 1022, 1-19.	5.4	89
7	A wavelength-modulated localized surface plasmon resonance (LSPR) optical fiber sensor for sensitive detection of mercury(II) ion by gold nanoparticles-DNA conjugates. <i>Biosensors and Bioelectronics</i> , 2018, 114, 15-21.	10.1	95
8	Reusable Boron-Doped Diamond Electrodes for the Semi-Continuous Detection of Tetrabromobisphenol A. <i>IEEE Sensors Journal</i> , 2018, 18, 5219-5224.	4.7	6
9	Ultramicroelectrode array modified with magnetically labeled <i>Bacillus subtilis</i> , palladium nanoparticles and reduced carboxy graphene for amperometric determination of biochemical oxygen demand. <i>Mikrochimica Acta</i> , 2017, 184, 763-771.	5.0	10
10	The Polypyrrole/Multiwalled Carbon Nanotube Modified Au Microelectrode for Sensitive Electrochemical Detection of Trace Levels of Pb ²⁺ . <i>Micromachines</i> , 2017, 8, 86.	2.9	12
11	Fabrication of a Miniature Multi-Parameter Sensor Chip for Water Quality Assessment. <i>Sensors</i> , 2017, 17, 157.	3.8	26
12	Electrochemical sensing platform for tetrabromobisphenol A at pM level based on the synergetic enhancement effects of graphene and dioctadecyldimethylammonium bromide. <i>Analytica Chimica Acta</i> , 2016, 935, 90-96.	5.4	7
13	An Electrochemical Sensor System with Renewable Copper Nano-clusters Modified Electrode for Continuous Nitrate Determination. <i>IEEE Sensors Journal</i> , 2016, , 1-1.	4.7	6
14	Salt-induced ionic liquid dispersive liquid-liquid microextraction and filter separation. <i>Analytical Methods</i> , 2016, 8, 1096-1102.	2.7	15
15	Electrochemical enhancement of long alkyl-chained surfactants for sensitive determination of tetrabromobisphenol A. <i>Electrochimica Acta</i> , 2016, 190, 490-494.	5.2	28
16	Determination of trace mercury in water based on N -octylpyridinium ionic liquids preconcentration and stripping voltammetry. <i>Journal of Hazardous Materials</i> , 2016, 301, 206-213.	12.4	60
17	A Palladium-Tin Modified Microband Electrode Array for Nitrate Determination. <i>Sensors</i> , 2015, 15, 23249-23261.	3.8	19
18	Electrochemical enhancement of acetylene black film as sensitive sensing platform for toxic tetrabromobisphenol A. <i>RSC Advances</i> , 2015, 5, 105837-105843.	3.6	16

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19	An integrated photocatalytic microfluidic platform enabling total phosphorus digestion. Journal of Micromechanics and Microengineering, 2015, 25, 025006.	2.6	10
20	Modification of Graphene on Ultramicroelectrode Array and Its Application in Detection of Dissolved Oxygen. Sensors, 2015, 15, 382-393.	3.8	9
21	Highly-sensitive electrochemical sensing platforms for food colourants based on the property-tuning of porous carbon. Analytica Chimica Acta, 2015, 887, 75-81.	5.4	38
22	An Electrochemical Microsensor Based on a AuNPs-Modified Microband Array Electrode for Phosphate Determination in Fresh Water Samples. Sensors, 2014, 14, 24472-24482.	3.8	12
23	Development of a portable total nitrogen detection system based on microelectrodes. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2014, 228, 46-51.	0.1	0
24	Electric field microsensor based on the structure of piezoelectric interdigitated cantilever beams. Journal of Electronics, 2014, 31, 497-504.	0.2	2
25	Electrochemical microsensor based on gold nanoparticles modified electrode for total phosphorus determinations in water. IET Nanobiotechnology, 2014, 8, 31-36.	3.8	24
26	Microfluidic chip with interdigitated ultra-microelectrode array for total phosphorus detection. Micro and Nano Letters, 2014, 9, 862-865.	1.3	10
27	An electrochemical microsensor based on molybdophosphate complex for fast determination of total phosphorus in water. , 2013, , .		0
28	A micro electrochemical sensor with porous copper-clusters for total nitrogen determination in freshwaters. , 2013, , .		1
29	Photocatalytic digestion of total phosphorus in the presence of H ₂ O ₂ utilizing nano-TiO ₂ photocatalyst. , 2013, , .		0
30	Mesoporous TiO ₂ nano-spheres: Electro spray combined sol-gel fabrication and application to organic phosphorus degradation. Journal of Electronics, 2013, 30, 313-317.	0.2	0
31	Microsensor Chip Integrated with Gold Nanoparticles-Modified Ultramicroelectrode Array for Improved Electroanalytical Measurement of Copper Ions. Electroanalysis, 2013, 25, 1713-1721.	2.9	15
32	3D Dendritic Nanostructure of Silver-Array: Preparation, Growth Mechanism and Application in Nitrate Sensor. Electroanalysis, 2013, 25, 546-556.	2.9	20
33	Photocatalytic digestion of total phosphorus utilising nanotitanium dioxide photocatalyst. Micro and Nano Letters, 2013, 8, 582-586.	1.3	1
34	Fabrication and characterization of SnO ₂ nanospheres for hydrogen detection. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2013, 227, 125-129.	0.1	0
35	Continuous flowing micro-reactor for aqueous reaction at temperature higher than 100°C. Biomicrofluidics, 2013, 7, 034104.	2.4	2
36	Micro cobalt electrodes for detection of total phosphorus in water. Micro and Nano Letters, 2012, 7, 1176-1179.	1.3	10

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37	Micro electrochemical sensor with copper nanoclusters for nitrate determination in freshwaters. <i>Micro and Nano Letters</i> , 2012, 7, 1197-1201.	1.3	23
38	Determination of total phosphorus in water environment by three-dimensional double coils microelectrode chip. , 2012, , .		1
39	L-Aspartic acid/L-cysteine/gold nanoparticle modified microelectrode for simultaneous detection of copper and lead. <i>Thin Solid Films</i> , 2012, 520, 6658-6663.	1.8	30
40	Simultaneous Detection of Copper, Lead and Zinc on Tin Film/Gold Nanoparticles/Gold Microelectrode by Square Wave Stripping Voltammetry. <i>Electroanalysis</i> , 2012, 24, 1783-1790.	2.9	15
41	Fabrication of a 3D interdigitated double-coil microelectrode chip by MEMS technique. <i>Mikrochimica Acta</i> , 2012, 177, 491-496.	5.0	0
42	FET immunosensor for hemoglobin A1c using a gold nanofilm grown by a seed-mediated technique and covered with mixed self-assembled monolayers. <i>Mikrochimica Acta</i> , 2012, 176, 65-72.	5.0	16
43	CMOS and MEMS based micro hemoglobin-A1c biosensors fabricated by various antibody immobilization methods. <i>Sensors and Actuators A: Physical</i> , 2011, 169, 282-287.	4.1	21
44	A field effect transistor (FET)-based immunosensor for detection of HbA1c and Hb. <i>Biomedical Microdevices</i> , 2011, 13, 345-352.	2.8	27
45	A micro potentiometric immunosensor for hemoglobin-A1c level detection based on mixed SAMs wrapped nano-spheres array. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2689-2693.	10.1	26
46	Electrodeposition of copper nano-clusters at a platinum microelectrode for trace nitrate determination. <i>Procedia Engineering</i> , 2010, 5, 339-342.	1.2	12
47	Design of a MEMS-Based Total Phosphorus Sensor with a Microdigestion System. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	1
48	Precision patterning of PDMS membranes and applications. <i>Journal of Micromechanics and Microengineering</i> , 2008, 18, 037004.	2.6	37
49	Millimeter-sized nanomanipulator with sub-nanometer positioning resolution and large force output. <i>Smart Materials and Structures</i> , 2007, 16, 1742-1750.	3.5	39
50	Millimeter-sized nanomanipulator with sub-nanometer positioning resolution and large force output. , 2007, , .		3
51	Toward Carbon Nanotube-Based AFM Cantilevers. <i>IEEE Nanotechnology Magazine</i> , 2007, 6, 519-523.	2.0	18
52	Theoretical analysis of the sensing and actuating effects of piezoelectric multimorph cantilevers. <i>Microsystem Technologies</i> , 2006, 12, 335-342.	2.0	18
53	Piezoelectric micromotor based on the structure of serial bending arms. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2003, 50, 1100-1104.	3.0	4