

Jun Huang

List of Publications by Year in descending order

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43
papers

1,217
citations

448610

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times ranked

1758
citing authors

#	ARTICLE	IF	CITATIONS
1	A Sensitive Ammonia Sensor Using Long Period Fiber Grating Coated With Graphene Oxide/Cellulose Acetate. <i>IEEE Sensors Journal</i> , 2021, 21, 16691-16700.	2.4	13
2	Graphene oxide-functionalized long period fiber grating for ultrafast label-free glucose biosensor. <i>Materials Science and Engineering C</i> , 2020, 107, 110329.	3.8	54
3	A Recyclable Optical Fiber Sensor Based on Fluorescent Carbon Dots for the Determination of Ferric Ion Concentrations. <i>Journal of Lightwave Technology</i> , 2019, 37, 4815-4822.	2.7	14
4	Ultrasensitive NO Gas Sensor Based on the Graphene Oxide-Coated Long-Period Fiber Grating. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40868-40874.	4.0	36
5	Preparation of Carbon Dots with High-Fluorescence Quantum Yield and Their Application in Dopamine Fluorescence Probe and Cellular Imaging. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-9.	1.5	50
6	A novel optical fiber glucose biosensor based on carbon quantum dots-glucose oxidase/cellulose acetate complex sensitive film. <i>Biosensors and Bioelectronics</i> , 2019, 146, 111760.	5.3	86
7	A Fiber Optic Biosensor Based on Hydrogel-Immobilized Enzyme Complex for Continuous Determination of Cholesterol and Glucose. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 1569-1580.	1.4	24
8	Synthesis of Fluorescent Carbon Quantum Dots and Their Application in the Plant Cell Imaging. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 1546-1550.	0.4	8
9	Detection of nitrite based on fluorescent carbon dots by the hydrothermal method with folic acid. <i>Royal Society Open Science</i> , 2018, 5, 172149.	1.1	34
10	A "Turn-On" Fluorescence Copper Biosensor Based on DNA Cleavage-Dependent Graphene Oxide-dsDNA-CdTe Quantum Dots Complex. <i>Sensors</i> , 2018, 18, 2605.	2.1	7
11	Insight into the reactivity difference of two iron phthalocyanine catalysts in chromogenic reaction: DFT theoretical study. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 1406-1411.	0.9	3
12	A temperature-triggered fiber optic biosensor based on hydrogel-magnetic immobilized enzyme complex for sequential determination of cholesterol and glucose. <i>Biochemical Engineering Journal</i> , 2017, 125, 123-128.	1.8	28
13	Characterization and saturable absorption property of graphene oxide on optical fiber by optical deposition. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 882-887.	0.4	2
14	Complex of hydrogel with magnetic immobilized GOD for temperature controlling fiber optic glucose sensor. <i>Biochemical Engineering Journal</i> , 2016, 114, 262-267.	1.8	19
15	Fluorescence detection for H ₂ PO ₄ - based on carbon dots/Fe ³⁺ composite. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 1226-1229.	0.4	4
16	Temperature controlling fiber optic glucose sensor based on hydrogel-immobilized GOD complex. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 24-29.	4.0	20
17	Fluorescent glucose sensing using CdTe/CdS quantum dots-glucose oxidase complex. <i>Analytical Methods</i> , 2016, 8, 2967-2970.	1.3	14
18	Immobilization of cholesterol oxidase on SiO ₂ nanoparticles and its application in Fiber optic cholesterol sensor. , 2016, , .		2

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19	A fiber optic cholesterol biosensor based on magnetic immobilized cholesterol oxidase. , 2016, , .		0
20	A fiber optic sensor for determination of 2,4-dichlorophenol based on iron(II) phthalocyanine catalysis. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 1317-1320.	0.4	4
21	Immobilization of cholesterol oxidase on magnetic fluorescent core-shell-structured nanoparticles. Materials Science and Engineering C, 2015, 57, 31-37.	3.8	20
22	Development of 2-Chlorophenol Sensor Based on a Fiber Optic Oxygen Transducer via Oxidation Reaction Catalyzed by Tetranitro Iron (II) Phthalocyanine. IEEE Sensors Journal, 2014, 14, 3693-3700.	2.4	3
23	A fiber optic sensor for 2-chlorophenol analysis based on oxygen sensing system. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 1178-1182.	0.4	2
24	Synthesis of Two Novel Water-Soluble Iron Phthalocyanines and Their Application in Fast Chromogenic Identification of Phenolic Pollutants. Catalysis Letters, 2014, 144, 487-497.	1.4	12
25	Fast chromogenic identification of phenolic pollutants via homogeneous oxidation with t-BuOOH in the presence of iron (III) octacarboxyphthalocyanine. Catalysis Communications, 2014, 45, 95-99.	1.6	13
26	A novel fluorescence probe 9-(4-(1,2-diamine)benzene-N1-phenyl)acridine for nitric oxide determination. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 848-853.	0.4	2
27	Photocatalytic chromogenic identification of chlorophenol pollutants by manganese phthalocyanine under sunlight irradiation. Separation and Purification Technology, 2014, 125, 216-222.	3.9	13
28	Enhancing heterogeneous catalytic activity of iron (II) phthalocyanine by ethanol and its application in 2,4-dichlorophenol detection. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 567-571.	0.4	2
29	First observation of tetranitro iron (II) phthalocyanine catalyzed oxidation of phenolic pollutant assisted with 4-aminoantipyrine using dioxygen as oxidant. Journal of Molecular Catalysis A, 2011, 345, 108-116.	4.8	50
30	A new immobilized glucose oxidase using SiO ₂ nanoparticles as carrier. Materials Science and Engineering C, 2011, 31, 1374-1378.	3.8	32
31	Controlled preparation of monodisperse CoFe ₂ O ₄ nanoparticles by a facile method. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 257-261.	0.4	7
32	Immobilization of glucose oxidase using CoFe ₂ O ₄ /SiO ₂ nanoparticles as carrier. Applied Surface Science, 2011, 257, 5739-5745.	3.1	54
33	Immobilization of glucose oxidase on Fe ₃ O ₄ /SiO ₂ magnetic nanoparticles. Biotechnology Letters, 2010, 32, 817-821.	1.1	46
34	A novel fiber optic biosensor for nitric oxide determination based on vicinal diaminobenzocridine fluorescent probe. Proceedings of SPIE, 2010, , .	0.8	0
35	Preparation of magnetic chitosan nanoparticles and immobilization of laccase. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 42-47.	0.4	60
36	Spectra and DNA-binding properties of two novel mixed-ligand complexes containing organosulfonate. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 181-185.	0.4	2

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37	Copper phthalocyanine catalysis to oxidation of adrenaline by oxygen and its application in adrenaline detection. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 606-609.	0.4	5
38	A Novel Fiber Optic Biosensor for the Determination of Adrenaline Based on Immobilized Laccase Catalysis. Analytical Letters, 2008, 41, 1430-1442.	1.0	41
39	A novel method of adrenaline concentration detection using fiber optical biosensor based on the catalysis of iron(II) phthalocyanine. Proceedings of SPIE, 2008, , .	0.8	2
40	Photorefractive effect in a CdS nanoparticles-sensitized polymer composite. Journal Wuhan University of Technology, Materials Science Edition, 2007, 22, 638-642.	0.4	0
41	Zinc tetraaminophthalocyanine-Fe ₃ O ₄ nanoparticle composite for laccase immobilization. International Journal of Nanomedicine, 2007, 2, 775-84.	3.3	21
42	Immobilization of Pycnopus sanguineus laccase on copper tetra-aminophthalocyanine-Fe ₃ O ₄ nanoparticle composite. Biotechnology and Applied Biochemistry, 2006, 44, 93.	1.4	40
43	Immobilization of Pycnopus sanguineus laccase on magnetic chitosan microspheres. Biochemical Engineering Journal, 2005, 25, 15-23.	1.8	368