

Chenhu Sun

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

658
citations

567281

15
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

928
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical Sensing Strategies for Real-Time Monitoring of Transformer Oil: A Review. <i>IEEE Sensors Journal</i> , 2017, 17, 5786-5806.	4.7	91
2	Label-free electrochemical detection of nanomolar adenosine based on target-induced aptamer displacement. <i>Electrochemistry Communications</i> , 2008, 10, 531-535.	4.7	81
3	Nitric oxide sensors using combination of p- and n-type semiconducting oxides and its application for detecting NO in human breath. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 117-125.	7.8	57
4	Multilayer polymer/zeolite Y composite membrane structure for CO ₂ capture from flue gas. <i>Journal of Membrane Science</i> , 2016, 498, 1-13.	8.2	55
5	Fiber Optic Sensing Technologies for Battery Management Systems and Energy Storage Applications. <i>Sensors</i> , 2021, 21, 1397.	3.8	45
6	Infrared Spectroscopic Study of Reaction of Carbon Dioxide with Aqueous Monoethanolamine Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 6276-6283.	3.7	43
7	Real-Time Monitoring of Temperature Rises of Energized Transformer Cores With Distributed Optical Fiber Sensors. <i>IEEE Transactions on Power Delivery</i> , 2019, 34, 1588-1598.	4.3	40
8	SO ₂ interference on separation performance of amine-containing facilitated transport membranes for CO ₂ capture from flue gas. <i>Journal of Membrane Science</i> , 2017, 534, 33-45.	8.2	38
9	Label-Free Electrochemical Biosensor of Mercury Ions Based on DNA Strand Displacement by Thymine-Hg(II)-Thymine Complex. <i>Electroanalysis</i> , 2010, 22, 2110-2116.	2.9	34
10	An aptazyme-based electrochemical biosensor for the detection of adenosine. <i>Analytica Chimica Acta</i> , 2010, 669, 87-93.	5.4	31
11	State-of-the-art of methane sensing materials: A review and perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 125, 115820.	11.4	29
12	Rapid synthesis of faujasite/polyethersulfone composite membrane and application for CO ₂ /N ₂ separation. <i>Microporous and Mesoporous Materials</i> , 2015, 208, 72-82.	4.4	28
13	Selective detection of part per billion concentrations of ammonia using a p-n semiconducting oxide heterostructure. <i>Sensors and Actuators B: Chemical</i> , 2016, 226, 156-169.	7.8	26
14	Electrochemical DNA biosensor based on proximity-dependent DNA ligation assays with DNAzyme amplification of hairpin substrate signal. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2483-2489.	10.1	23
15	Synthesis of chabazite/polymer composite membrane for CO ₂ /N ₂ separation. <i>Microporous and Mesoporous Materials</i> , 2016, 230, 208-216.	4.4	17
16	Double-Layer Zeolite Nano-Blocks and Palladium-Based Nanocomposite Fiber Optic Sensors for Selective Hydrogen Sensing at Room Temperature. , 2017, 1, 1-4.		9
17	An Aptamer-Based Competitive Fluorescence Quenching Assay for IgE. <i>Analytical Letters</i> , 2011, 44, 1301-1309.	1.8	5
18	Low-cost fiber optic sensor array for simultaneous detection of hydrogen and temperature. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	Distributed fiber-optic sensor for real-time monitoring of energized transformer cores. , 2017, , .		2
20	Novel strategies for development of gas sensors for combustion and medical applications. Proceedings of SPIE, 2014, , .	0.8	0