Cheng-Shane Chu

List of Publications by Year
in descending order

27	681	567281 15	610901 24
papers	citations	h-index	g-index

27	27	27	719
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Ratiometric Optical Dual Sensor for the Simultaneous Detection of Oxygen and Carbon Dioxide. Sensors, 2021, 21, 4057.	3.8	12
2	Resolving Cross-Sensitivity Effect in Fluorescence Quenching for Simultaneously Sensing Oxygen and Ammonia Concentrations by an Optical Dual Gas Sensor. Sensors, 2021, 21, 6940.	3.8	11
3	Ratiometric optical urea sensor based on CdSe/ZnS QDs and Rh110 doped in polymer matrix. , 2020, , .		0
4	Optical fiber carbon dioxide sensor based on colorimetric change of Î±-naphtholphthalein and CIS/ZnS quantum dots incorporated with a polymer matrix. Optical Materials Express, 2019, 9, 2937.	3.0	13
5	Ratiometric optical fiber carbon dioxide sensor based on CdSe/ZnS QDs and Polym-H7 doped in EC matrix. , 2019, , .		1
6	Fluorescence Ratiometric Optical Broad Range pH Sensor Based on CdSe/ZnS Quantum Dots and O170 Embedded in Ethyl Cellulose Matrix. Journal of Lightwave Technology, 2018, 36, 857-862.	4.6	16
7	Optical fiber sensor for dual sensing of H2O2 and DO based on CdSe/ZnS QDs and Ru(dpp)32+ embedded in EC matrix. Sensors and Actuators B: Chemical, 2018, 255, 1079-1086.	7.8	19
8	Development of ratiometric optical fiber sensor for ammonia gas detection. , 2017, , .		5
9	Optical sensor for dual sensing of oxygen and carbon dioxide based on sensing films coated on filter paper. Applied Optics, 2017, 56, 1225.	2.1	19
10	The Development of a Highly Sensitive Fiber-Optic Oxygen Sensor. Inventions, 2016, 1, 9.	2.5	4
11	Optical sensing of H_2O_2 based on red-shift of emission wavelength of carbon quantum dots. Optical Materials Express, 2016, 6, 759.	3.0	15
12	A new optical sensor for sensing oxygen based on phase shift detection. Sensors and Actuators B: Chemical, 2016, 223, 606-612.	7.8	28
13	Optical oxygen sensor based on time-resolved fluorescence. Proceedings of SPIE, 2015, , .	0.8	1
14	Ratiometric optical fiber sensor for dual sensing of copper ion and dissolved oxygen. Applied Optics, 2015, 54, 10659.	2.1	9
15	Ratiometric optical sensor for dual sensing of temperature and oxygen. Sensors and Actuators B: Chemical, 2015, 210, 302-309.	7.8	18
16	Ratiometric optical fiber dissolved oxygen sensor based on metalloporphyrin and CdSe quantum dots embedded in solâ€“gel matrix. Journal of Luminescence, 2015, 167, 114-119.	3.1	22
17	Optical fiber sensor for dual sensing of dissolved oxygen and Cu2+ ions based on PdTFPP/CdSe embedded in solâ€“gel matrix. Sensors and Actuators B: Chemical, 2015, 209, 94-99.	7.8	79
18	Portable optical oxygen sensor based on time-resolved fluorescence. Applied Optics, 2014, 53, 7657.	2.1	11

#	Article	IF	Citations
19	Optical fiber sensor for dual sensing of temperature and oxygen based on PtTFPP/CF embedded in solâ€“gel matrix. Sensors and Actuators B: Chemical, 2014, 195, 259-265.	7.8	43
20	Highly sensitive fiber-optic oxygen sensor based on palladium tetrakis (4-carboxyphenyl)porphyrin doped in ormosil. Journal of Luminescence, 2014, 154, 475-478.	3.1	23
21	A new portable optical sensor for dual sensing of temperature and oxygen. Sensors and Actuators B: Chemical, 2014, 202, 508-515.	7.8	17
22	Optical fiber oxygen sensor based on Pd(II) complex embedded in solâ€“gel matrix. Journal of Luminescence, 2013, 135, 5-9.	3.1	35
23	Enhanced optical oxygen sensing property based on Pt(II) complex and metal-coated silica nanoparticles embedded in solâ€“gel matrix. Sensors and Actuators B: Chemical, 2013, 185, 287-292.	7.8	32
24	Optical oxygen sensing properties of Ru(II) complex and porous silica nanoparticles embedded in solgel matrix. Applied Optics, 2011, 50, E145.	2.1	15
25	Highly sensitive and linear calibration optical fiber oxygen sensor based on Pt(II) complex embedded in solâ€“gel matrix. Sensors and Actuators B: Chemical, 2011, 155, 53-57.	7.8	65
26	Review on recent developments of fluorescent oxygen and carbon dioxide optical fiber sensors. Photonic Sensors, 2011, 1, 234-250.	5.0	97
27	Optical fiber dissolved oxygen sensor based on Pt(II) complex and core-shell silica nanoparticles incorporated with solâ€“gel matrix. Sensors and Actuators B: Chemical, 2010, 151, 83-89.	7.8	71