

# Cheng-Shane Chu

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

681  
citations

567281

15  
h-index

610901

24  
g-index

27  
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27  
docs citations

27  
times ranked

719  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on recent developments of fluorescent oxygen and carbon dioxide optical fiber sensors. <i>Photonic Sensors</i> , 2011, 1, 234-250.	5.0	97
2	Optical fiber sensor for dual sensing of dissolved oxygen and Cu <sup>2+</sup> ions based on PdTFPP/CdSe embedded in sol-gel matrix. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 94-99.	7.8	79
3	Optical fiber dissolved oxygen sensor based on Pt(II) complex and core-shell silica nanoparticles incorporated with sol-gel matrix. <i>Sensors and Actuators B: Chemical</i> , 2010, 151, 83-89.	7.8	71
4	Highly sensitive and linear calibration optical fiber oxygen sensor based on Pt(II) complex embedded in sol-gel matrix. <i>Sensors and Actuators B: Chemical</i> , 2011, 155, 53-57.	7.8	65
5	Optical fiber sensor for dual sensing of temperature and oxygen based on PtTFPP/CF embedded in sol-gel matrix. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 259-265.	7.8	43
6	Optical fiber oxygen sensor based on Pd(II) complex embedded in sol-gel matrix. <i>Journal of Luminescence</i> , 2013, 135, 5-9.	3.1	35
7	Enhanced optical oxygen sensing property based on Pt(II) complex and metal-coated silica nanoparticles embedded in sol-gel matrix. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 287-292.	7.8	32
8	A new optical sensor for sensing oxygen based on phase shift detection. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 606-612.	7.8	28
9	Highly sensitive fiber-optic oxygen sensor based on palladium tetrakis (4-carboxyphenyl)porphyrin doped in ormosil. <i>Journal of Luminescence</i> , 2014, 154, 475-478.	3.1	23
10	Ratiometric optical fiber dissolved oxygen sensor based on metalloporphyrin and CdSe quantum dots embedded in sol-gel matrix. <i>Journal of Luminescence</i> , 2015, 167, 114-119.	3.1	22
11	Optical sensor for dual sensing of oxygen and carbon dioxide based on sensing films coated on filter paper. <i>Applied Optics</i> , 2017, 56, 1225.	2.1	19
12	Optical fiber sensor for dual sensing of H <sub>2</sub> O <sub>2</sub> and DO based on CdSe/ZnS QDs and Ru(dpp) <sub>3</sub> <sup>2+</sup> embedded in EC matrix. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1079-1086.	7.8	19
13	Ratiometric optical sensor for dual sensing of temperature and oxygen. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 302-309.	7.8	18
14	A new portable optical sensor for dual sensing of temperature and oxygen. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 508-515.	7.8	17
15	Fluorescence Ratiometric Optical Broad Range pH Sensor Based on CdSe/ZnS Quantum Dots and O170 Embedded in Ethyl Cellulose Matrix. <i>Journal of Lightwave Technology</i> , 2018, 36, 857-862.	4.6	16
16	Optical oxygen sensing properties of Ru(II) complex and porous silica nanoparticles embedded in solgel matrix. <i>Applied Optics</i> , 2011, 50, E145.	2.1	15
17	Optical sensing of H <sub>2</sub> O <sub>2</sub> based on red-shift of emission wavelength of carbon quantum dots. <i>Optical Materials Express</i> , 2016, 6, 759.	3.0	15
18	Optical fiber carbon dioxide sensor based on colorimetric change of 1-naphtholphthalein and CIS/ZnS quantum dots incorporated with a polymer matrix. <i>Optical Materials Express</i> , 2019, 9, 2937.	3.0	13

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19	A Ratiometric Optical Dual Sensor for the Simultaneous Detection of Oxygen and Carbon Dioxide. Sensors, 2021, 21, 4057.	3.8	12
20	Portable optical oxygen sensor based on time-resolved fluorescence. Applied Optics, 2014, 53, 7657.	2.1	11
21	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
22	Ratiometric optical fiber sensor for dual sensing of copper ion and dissolved oxygen. Applied Optics, 2015, 54, 10659.	2.1	9
23	Development of ratiometric optical fiber sensor for ammonia gas detection. , 2017, , .		5
24	The Development of a Highly Sensitive Fiber-Optic Oxygen Sensor. Inventions, 2016, 1, 9.	2.5	4
25	Optical oxygen sensor based on time-resolved fluorescence. Proceedings of SPIE, 2015, , .	0.8	1
26	Ratiometric optical fiber carbon dioxide sensor based on CdSe/ZnS QDs and Polym-H7 doped in EC matrix. , 2019, , .		1
27	Ratiometric optical urea sensor based on CdSe/ZnS QDs and Rh110 doped in polymer matrix. , 2020, , .		0