Nuerguli Kari

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2851766/publications.pdf

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19	220	1040056	996975
papers	citations	9	15
		h-index	g-index

20	20	20	247
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metallic Effects on p-Hydroxyphenyl Porphyrin Thin-Film-Based Planar Optical Waveguide Gas Sensor: Experimental and Computational Studies. Nanomaterials, 2022, 12, 944.	4.1	6
2	Application of bromocresol purple nanofilm and laser light to detect mutton freshness. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 244, 118863.	3.9	10
3	Study on surface sensitization of g-C3N4 by functioned different aggregation behavior porphyrin and its optical properties. Materials Science in Semiconductor Processing, 2021, 121, 105316.	4.0	13
4	Sensing Behavior of Metal-Free Porphyrin and Zinc Phthalocyanine Thin Film towards Xylene-Styrene and HCl Vapors in Planar Optical Waveguide. Nanomaterials, 2021, 11, 1634.	4.1	7
5	Fast fabrication and gas-sensing characteristics of petal-like Co-MOF membrane optical waveguide. Sensors and Actuators B: Chemical, 2021, 346, 130342.	7.8	7
6	Optical and gas-sensing property enhancement of membranes based on lithium iron phosphate particles with different dispersants. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	3
7	Substituent Effect on Porphyrin Film-Gas Interaction by Optical Waveguide: Spectrum Analysis and Molecular Dynamic Simulation. Materials, 2020, 13, 5613.	2.9	5
8	Highly sensitive optical waveguide sensor for SO₂ and H₂S detection in the parts-per-trillion regime using tetraaminophenyl porphyrin. Journal of Modern Optics, 2020, 67, 507-514.	1.3	13
9	Tetrahydroxyphenyl porphyrin membrane: a high-sensitivity optical waveguide gas sensor for NO₂ detection. Measurement Science and Technology, 2020, 31, 055105.	2.6	5
10	5, 10, 15, 20-tetrakis-(4-methoxyphenyl) porphyrin film/K+ ion-exchanged optical waveguide gas sensor. Optics and Laser Technology, 2020, 128, 106260.	4.6	11
11	Photoelectric conversion and protonation in sensor detection of SO2 and H2S using graphene oxideâ€“tetrakis(4-carboxyphenyl) porphyrin. Journal of Applied Remote Sensing, 2020, 14, 1.	1.3	2
12	Planar optical waveguide-based dimethylamine sensor with cresol red/TiO₂ composite thin film. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 601.	2.1	2
13	Optochemical properties of gas-phase protonated tetraphenylporphyrin investigated using an optical waveguide NH₃ sensor. RSC Advances, 2018, 8, 5614-5621.	3.6	16
14	Aggregation and metal-complexation behaviour of THPP porphyrin in ethanol/water solutions as function of pH. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 193, 235-248.	3.9	29
15	Highly sensitive free-base-porphyrin-based thin-film optical waveguide sensor for detection of low concentration NO2 gas at ambient temperature. Journal of Materials Science, 2018, 53, 10822-10834.	3.7	29
16	Detection of Trimethylamine Based on a Manganese Tetraphenylporphyrin Optical Waveguide Sensing Element. Analytical Sciences, 2018, 34, 559-565.	1.6	9
17	The fabrication and gas sensing application of a fast-responding m-CP-PVP composite film/potassium ion-exchanged glass optical waveguide. Analytical Methods, 2017, 9, 5494-5501.	2.7	20
18	Room-temperature H2S Gas Sensor Based on Au-doped ZnFe2O4 Yolk-shell Microspheres. Analytical Sciences, 2017, 33, 945-951.	1.6	17

#	Article	IF	Citations
19	A Functionalized Tetrakis(4-Nitrophenyl)Porphyrin Film Optical Waveguide Sensor for Detection of H2S and Ethanediamine Gases. Sensors, 2017, 17, 2717.	3.8	16