

Bin Wang

List of Publications by Year in descending order

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papers

645
citations

567144

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docs citations

20
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast NH ₃ gas sensor based on phthalocyanine-optimized non-covalent hybrid of carbon nanotubes with pyrrole. <i>Sensors and Actuators B: Chemical</i> , 2022, 357, 131352.	4.0	45
2	A highly sensitive ppb-level H ₂ S gas sensor based on fluorophenoxy-substituted phthalocyanine cobalt/rGO hybrids at room temperature. <i>RSC Advances</i> , 2021, 11, 5993-6001.	1.7	16
3	A high-sensitive room temperature gas sensor based on cobalt phthalocyanines and reduced graphene oxide nanohybrids for the ppb-levels of ammonia detection. <i>RSC Advances</i> , 2019, 9, 37518-37525.	1.7	27
4	The effects of amino substituents on the enhanced ammonia sensing performance of PcCo/rGO hybrids. <i>RSC Advances</i> , 2018, 8, 41280-41287.	1.7	17
5	Stably dispersed metallophthalocyanine noncovalently bonded to multiwalled carbon nanotubes for ammonia sensing at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 262-270.	4.0	18
6	The effect of rigid phenoxy substituent on the NH ₃ -sensing properties of tetra- β -(4-tert-butylphenoxy)-metallophthalocyanine/reduced graphene oxide hybrids. <i>RSC Advances</i> , 2017, 7, 22599-22609.	1.7	14
7	The effects of central metals on ammonia sensing of metallophthalocyanines covalently bonded to graphene oxide hybrids. <i>RSC Advances</i> , 2017, 7, 34215-34225.	1.7	27
8	Stably dispersed carbon nanotubes covalently bonded to phthalocyanine cobalt for ppb-level H ₂ S sensing at room temperature. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1096-1104.	5.2	40
9	Enhanced NH ₃ -Sensitivity of Reduced Graphene Oxide Modified by Tetra- β -Iso-Pentyloxymetallophthalocyanine Derivatives. <i>Nanoscale Research Letters</i> , 2015, 10, 373.	3.1	29
10	Copper phthalocyanine noncovalent functionalized single-walled carbon nanotube with enhanced NH ₃ sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 157-164.	4.0	63
11	Preparation, characterization and NH ₃ -sensing properties of reduced graphene oxide/copper phthalocyanine hybrid material. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 340-348.	4.0	85
12	Enhanced NH ₃ -sensing behavior of 2,9,16,23-tetrakis(2,2,3,3-tetrafluoropropoxy) metal(II) phthalocyanine/multi-walled carbon nanotube hybrids: An investigation of the effects of central metals. <i>Carbon</i> , 2014, 80, 268-278.	5.4	84
13	Preparation and NH ₃ -Sensing Properties of Lead(II) Tetrakis(4-Cumylphenoxy) Phthalocyanine Spin-Coating Films. <i>Applied Mechanics and Materials</i> , 2013, 303-306, 45-48.	0.2	2
14	Lead phthalocyanine modified carbon nanotubes with enhanced NH ₃ sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 398-404.	4.0	48
15	Preparation, characterization and NH ₃ -sensing of 1,8,15,22-tetra-iso-pentyloxyphthalocyanine copper, nickel and lead spin-coating films. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 498-503.	4.0	25
16	Comparative NH ₃ -sensing in palladium, nickel and cobalt tetra-(tert-butyl)-5,10,15,20-tetraazaporphyrin spin-coating films. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1-6.	4.0	22
17	Comparative gas sensing in copper porphyrin and copper phthalocyanine spin-coating films. <i>Sensors and Actuators B: Chemical</i> , 2011, 152, 191-195.	4.0	42
18	Preparation, characterization and NO ₂ -sensing properties of octa-iso-pentyloxyphthalocyanine lead spin-coating films. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 362-367.	4.0	16

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19	Preparation, characterization and gas sensing properties of nickel octa-iso-pentyloxynaphthalocyanine spin-coating films. <i>Thin Solid Films</i> , 2008, 517, 937-942.	0.8	5
20	Preparation, characterization and gas sensing properties of high soluble metal (II) phthalocyanine thin films by spin-coating method. <i>Materials Letters</i> , 2005, 59, 3073-3077.	1.3	20