

Hao Kan

List of Publications by Year in descending order

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12
papers

397
citations

933447

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1199594

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g-index

12
all docs

12
docs citations

12
times ranked

446
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitive H ₂ S gas sensors employing colloidal zinc oxide quantum dots. Sensors and Actuators B: Chemical, 2017, 249, 558-563.	7.8	77
2	Colloidal quantum dot-based surface acoustic wave sensors for NO ₂ -sensing behavior. Sensors and Actuators B: Chemical, 2019, 287, 241-249.	7.8	59
3	Gas sensing materials roadmap. Journal of Physics Condensed Matter, 2021, 33, 303001.	1.8	49
4	Surface acoustic wave NO ₂ sensors utilizing colloidal SnS quantum dot thin films. Surface and Coatings Technology, 2019, 362, 78-83.	4.8	41
5	Ultrawide Band Gap Oxide Nanodots ($E_g > 4.8\text{ eV}$) for a High-Performance Deep Ultraviolet Photovoltaic Detector. ACS Applied Materials & Interfaces, 2020, 12, 6030-6036.	8.0	39
6	Nitric oxide sensors using nanospiral ZnO thin film deposited by GLAD for application to exhaled human breath. RSC Advances, 2020, 10, 14877-14884.	3.6	33
7	Highly sensitive response of solution-processed bismuth sulfide nanobelts for room-temperature nitrogen dioxide detection. Journal of Colloid and Interface Science, 2017, 506, 102-110.	9.4	24
8	PbSe quantum dots-based chemiresistors for room-temperature NO ₂ detection. Sensors and Actuators B: Chemical, 2018, 256, 1045-1056.	7.8	24
9	One-Dimensional Bi ₂ S ₃ Nanobelts-Based Surface Acoustic Wave Sensor for NO ₂ Detection at Room Temperature. IEEE Sensors Journal, 2021, 21, 1404-1408.	4.7	23
10	A novel quartz-crystal microbalance humidity sensor based on solution-processible indium oxide quantum dots. RSC Advances, 2019, 9, 38531-38537.	3.6	11
11	A high performance surface acoustic wave visible light sensor using novel materials: Bi ₂ S ₃ nanobelts. RSC Advances, 2020, 10, 8936-8940.	3.6	10
12	Ligand Tailoring Oxide Colloidal Quantum Dots for Silicon-Integrated Ultraviolet Photodiode. Advanced Electronic Materials, 2020, 6, 1901238.	5.1	7