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Graphene Decorated with Iron Oxide Nanoparticles for Highly Sensitive Interaction with Volatile Organic Compounds

DOI: 10.3390/s19040918
Sensors, 2019, 19, .

Source: <https://exaly.com/paper-pdf/73742253/citation-report.pdf>

Version: 2024-04-23

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18	Low-cost sensors for outdoor air quality monitoring. 2020 , 235-288		5
17	Magnetic Iron Oxide Nanoparticle (IONP) Synthesis to Applications: Present and Future. <i>Materials</i> , 2020 , 13,	3.5	48
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15	Breakthroughs in the Design of Novel Carbon-Based Metal Oxides Nanocomposites for VOCs Gas Sensing. <i>Nanomaterials</i> , 2020 , 10,	5.4	22
14	Study of Thin Film Cu Nanowire and Reduced Graphene Oxide as A Gas Sensor. <i>Journal of Physics: Conference Series</i> , 2020 , 1494, 012036	0.3	
13	Metal Oxide Nanolayer-Decorated Epitaxial Graphene: A Gas Sensor Study. <i>Nanomaterials</i> , 2020 , 10,	5.4	4
12	Chip-Level Integration of Covalent Organic Frameworks for Trace Benzene Sensing. <i>ACS Sensors</i> , 2020 , 5, 1474-1481	9.2	25
11	First-order time-derivative readout of epitaxial graphene-based gas sensors for fast analyte determination. <i>Sensors and Actuators Reports</i> , 2020 , 2, 100012	4.7	4
10	Electronics based on two-dimensional materials: Status and outlook. <i>Nano Research</i> , 2021 , 14, 1752-1767	10	21
9	Exploring the Interface Landscape of Noble Metals on Epitaxial Graphene. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2000673	1.6	4
8	Epitaxial Graphene on 4H-SiC (0001) as a Versatile Platform for Materials Growth: Mini-Review. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5784	2.6	4
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6	Perovskite@Graphene Nanohybrids for Breath Analysis: A Proof-of-Concept. <i>Chemosensors</i> , 2021 , 9, 215	4	1
5	Computational Appraisal of Silver Nanocluster Evolution on Epitaxial Graphene: Implications for CO Sensing. <i>ACS Omega</i> , 2021 , 6, 24739-24751	3.9	3
4	Inorganic-Diverse Nanostructured Materials for Volatile Organic Compound Sensing. <i>Sensors</i> , 2021 , 21,	3.8	7

3	Synthesis of Iron Oxide/Polyaniline/Reduced Graphene Oxide Nanocomposite Materials as Active Sensing Material. 2021 ,	0
2	Sensors for Volatile Organic Compounds.. <i>ACS Nano</i> , 2022 ,	16.7 9
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