

Ki-Joong Kim

List of Publications by Year in descending order

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37
papers

1,057
citations

361045

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414034

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all docs

37
docs citations

37
times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Monitoring of Gas-Phase and Dissolved CO ₂ Using a Mixed-Matrix Composite Integrated Fiber Optic Sensor for Carbon Storage Application. Environmental Science & Technology, 2022, 56, 10891-10903.	4.6	3
2	Centimeter-Scale Pillared-Layer Metal-Organic Framework Thin Films Mediated by Hydroxy Double Salt Intermediates for CO ₂ Sensor Applications. ACS Applied Materials & Interfaces, 2021, 13, 2062-2071.	4.0	24
3	Enhanced Guest@MOF Interaction via Stepwise Thermal Annealing: TCNQ@Cu ₃ (BTC) ₂ . Crystal Growth and Design, 2021, 21, 817-828.	1.4	5
4	Metal-organic framework thin films as versatile chemical sensing materials. Materials Advances, 2021, 2, 6169-6196.	2.6	30
5	In Situ Growth and Interlayer Modulation of Layered Double Hydroxide Thin Films from a Transparent Conducting Oxide Precursor. Crystal Growth and Design, 2021, 21, 1518-1526.	1.4	5
6	Synthesis of High-Quality Mg-MOF-74 Thin Films <i>via</i> Vapor-Assisted Crystallization. ACS Applied Materials & Interfaces, 2021, 13, 35223-35231.	4.0	23
7	Synthesis and Quantum Metrology of Metal-Organic Framework-Coated Nanodiamonds Containing Nitrogen Vacancy Centers. Chemistry of Materials, 2021, 33, 6365-6373.	3.2	5
8	Metal-organic framework functionalized polymer coating for fiber optical methane sensors. Sensors and Actuators B: Chemical, 2020, 324, 128627.	4.0	43
9	Segmented Microfluidic Flow Reactors for Nanomaterial Synthesis. Nanomaterials, 2020, 10, 1421.	1.9	23
10	An 860 MHz Wireless Surface Acoustic Wave Sensor With a Metal-Organic Framework Sensing Layer for CO ₂ and CH ₄ . IEEE Sensors Journal, 2020, 20, 9740-9747.	2.4	31
11	Nanostructured copper sulfide thin film <i>via</i> a spatial successive ionic layer adsorption and reaction process showing significant surface-enhanced infrared absorption of CO ₂ . Journal of Materials Chemistry C, 2020, 8, 3069-3078.	2.7	9
12	State-of-the-art of methane sensing materials: A review and perspectives. TrAC - Trends in Analytical Chemistry, 2020, 125, 115820.	5.8	29
13	Alkylamine-Integrated Metal-Organic Framework-Based Waveguide Sensors for Efficient Detection of Carbon Dioxide from Humid Gas Streams. ACS Applied Materials & Interfaces, 2019, 11, 33489-33496.	4.0	32
14	Redox Active Molecule Induced Metal-Organic Framework Thin Film on Optical Fiber Towards Chemical Sensing of Carbon Dioxide. ECS Meeting Abstracts, 2019, , .	0.0	0
15	Polymer/Metal-Organic Framework Composite Sensors for Gas Detection. ECS Meeting Abstracts, 2019, , .	0.0	1
16	Metal-Organic Framework Thin Film Coated Optical Fiber Sensors: A Novel Waveguide-Based Chemical Sensing Platform. ACS Sensors, 2018, 3, 386-394.	4.0	134
17	Rapid, Selective, Ambient Growth and Optimization of Copper Benzene-1,3,5-Tricarboxylate (Cu-BTC) Metal-Organic Framework Thin Films on a Conductive Metal Oxide. Crystal Growth and Design, 2018, 18, 2924-2931.	1.4	22
18	Zeolitic imidazolate framework-coated acoustic sensors for room temperature detection of carbon dioxide and methane. Nanoscale, 2018, 10, 8075-8087.	2.8	84

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19	Characterization of Cotton Ball-like Au/ZnO Photocatalyst Synthesized in a Micro-Reactor. <i>Micromachines</i> , 2018, 9, 322.	1.4	6
20	Flexible nanograss with highest combination of transparency and haze for optoelectronic plastic substrates. <i>Nanotechnology</i> , 2018, 29, 42LT01.	1.3	10
21	Self-cleaning, high transmission, near unity haze OTS/silica nanostructured glass. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9191-9199.	2.7	23
22	Scalably synthesized environmentally benign, aqueous-based binary nanoparticle inks for Cu ₂ ZnSn(S,Se) ₄ photovoltaic cells achieving over 9% efficiency. <i>Sustainable Energy and Fuels</i> , 2017, 1, 267-274.	2.5	19
23	Continuous, size and shape-control synthesis of hollow silica nanoparticles enabled by a microreactor-assisted rapid mixing process. <i>Nanotechnology</i> , 2017, 28, 235602.	1.3	16
24	Plasmonic nanopatch array with integrated metal-organic framework for enhanced infrared absorption gas sensing. <i>Nanotechnology</i> , 2017, 28, 26LT01.	1.3	20
25	Near-infrared absorption gas sensing with metal-organic framework on optical fibers. <i>Sensors and Actuators B: Chemical</i> , 2016, 232, 43-51.	4.0	61
26	Growth kinetics of copper sulfide thin films by photochemical deposition. <i>CrystEngComm</i> , 2016, 18, 6748-6758.	1.3	2
27	Conformal growth of copper sulfide thin films on highly textured surface via microreactor-assisted solution deposition. <i>CrystEngComm</i> , 2015, 17, 2827-2836.	1.3	13
28	Plasmonics-enhanced metal-organic framework nanoporous films for highly sensitive near-infrared absorption. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2763-2767.	2.7	41
29	Ultrashort Near-Infrared Fiber-Optic Sensors for Carbon Dioxide Detection. <i>IEEE Sensors Journal</i> , 2015, 15, 5327-5332.	2.4	49
30	Two-step continuous-flow synthesis of CuInSe ₂ nanoparticles in a solar microreactor. <i>RSC Advances</i> , 2014, 4, 13827-13830.	1.7	7
31	Synthesis of colloidal PbSe nanoparticles using a microwave-assisted segmented flow reactor. <i>Materials Letters</i> , 2014, 128, 54-59.	1.3	30
32	Continuous Microwave-Assisted Gas-Liquid Segmented Flow Reactor for Controlled Nucleation and Growth of Nanocrystals. <i>Crystal Growth and Design</i> , 2014, 14, 5349-5355.	1.4	34
33	Continuous synthesis of colloidal chalcopyrite copper indium diselenide nanocrystal inks. <i>RSC Advances</i> , 2014, 4, 16418-16424.	1.7	14
34	High-rate synthesis of Cu-BTC metal-organic frameworks. <i>Chemical Communications</i> , 2013, 49, 11518.	2.2	127
35	Visible-light-sensitive Na-doped p-type flower-like ZnO photocatalysts synthesized via a continuous flow microreactor. <i>RSC Advances</i> , 2013, 3, 12702.	1.7	47
36	Visible-light-sensitive nanoscale Au-ZnO photocatalysts. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	35

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37	Gold catalysts supported on ZnO/Al ₂ O ₃ for low-temperature CO oxidation. Research on Chemical Intermediates, 2011, 37, 1165-1172.	1.3	0