

Zelio Fusco

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

615
citations

623734

14
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839539

18
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21
all docs

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docs citations

21
times ranked

963
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured Bi_2O_3 Fractals on Carbon Fibers for Highly Selective CO_2 Electroreduction to Formate. <i>Advanced Functional Materials</i> , 2020, 30, 1906478.	14.9	104
2	Janus Conductive/Insulating Microporous Ion-Sieving Membranes for Stable Li-S Batteries. <i>ACS Nano</i> , 2020, 14, 13852-13864.	14.6	74
3	Understanding the activity and stability of flame-made Co_3O_4 spinels: A route towards the scalable production of highly performing OER electrocatalysts. <i>Chemical Engineering Journal</i> , 2022, 429, 132180.	12.7	56
4	Understanding the Role of Vanadium Vacancies in BiVO_4 for Efficient Photoelectrochemical Water Oxidation. <i>Chemistry of Materials</i> , 2021, 33, 3553-3565.	6.7	54
5	Nanostructured Dielectric Fractals on Resonant Plasmonic Metasurfaces for Selective and Sensitive Optical Sensing of Volatile Compounds. <i>Advanced Materials</i> , 2018, 30, e1800931.	21.0	47
6	Self-assembly of Au nano-islands with tuneable organized disorder for highly sensitive SERS. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6308-6316.	5.5	47
7	Hierarchical Metal-Organic Framework Films with Controllable Meso/Macroporosity. <i>Advanced Science</i> , 2020, 7, 2002368.	11.2	32
8	Non-Periodic Epsilon-Near-Zero Metamaterials at Visible Wavelengths for Efficient Non-Resonant Optical Sensing. <i>Nano Letters</i> , 2020, 20, 3970-3977.	9.1	30
9	Photonic Fractal Metamaterials: A Metal-Semiconductor Platform with Enhanced Volatile Compound Sensing Performance. <i>Advanced Materials</i> , 2020, 32, e2002471.	21.0	27
10	Multifunctional nanostructures of $\text{Au-Bi}_2\text{O}_3$ fractals for CO_2 reduction and optical sensing. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11233-11245.	10.3	25
11	Light-activated inorganic CsPbBr_2I perovskite for room-temperature self-powered chemical sensing. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 24187-24193.	2.8	23
12	High-Temperature One-Step Synthesis of Efficient Nanostructured Bismuth Vanadate Photoanodes for Water Oxidation. <i>Energy Technology</i> , 2019, 7, 1801052.	3.8	23
13	The effect of β -sheet breaker peptides on metal associated Amyloid- β peptide aggregation process. <i>Biophysical Chemistry</i> , 2017, 229, 110-114.	2.8	19
14	High-Temperature Large-Scale Self-Assembly of Highly Faceted Monocrystalline Au Metasurfaces. <i>Advanced Functional Materials</i> , 2019, 29, 1806387.	14.9	16
15	Investigation of the mechanisms of plasmon-mediated photocatalysis: synergistic contribution of near-field and charge transfer effects. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7511-7524.	5.5	13
16	Self-assembly of noble metal-free graphene-copper plasmonic metasurfaces. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11896-11905.	5.5	12
17	Engineering Fractal Photonic Metamaterials by Stochastic Self-Assembly of Nanoparticles. <i>Advanced Photonics Research</i> , 2021, 2, 2100020.	3.6	6
18	High Performance Flame-Made Ultraporous ZnO-Based QCM Sensor For Acetaldehyde. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
19	Photonic Metamaterials: Photonic Fractal Metamaterials: A Metal-Semiconductor Platform with Enhanced Volatile Compound Sensing Performance (Adv. Mater. 50/2020). Advanced Materials, 2020, 32, 2070376.	21.0	2
20	Nonresonant ENZ metamaterial at visible wavelength for superior refractive index matching sensing. , 2019, , .		0
21	Hybrid plasmonic-semiconducting fractal metamaterials for superior sensing of volatile compounds. , 2019, , .		0