Gamze YÄ±lmaz

List of Publications by Year
in descending order

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20 papers	1,963 citations	393982 19 h-index	752256 20 g-index
20 all docs	20 docs citations	20 times ranked	3212 citing authors

#	Article	IF	Citations
1	In Situ Transformation of MOFs into Layered Double Hydroxide Embedded Metal Sulfides for Improved Electrocatalytic and Supercapacitive Performance. Advanced Materials, 2017, 29, 1606814.	11.1	502
2	Photothermal Catalytic Gel Featuring Spectral and Thermal Management for Parallel Freshwater and Hydrogen Production. Advanced Energy Materials, 2020, 10, 2000925.	10.2	162
3	Pseudomorphic Transformation of Interpenetrated Prussian Blue Analogs into Defective Nickel Iron Selenides for Enhanced Electrochemical and Photoâ€Electrochemical Water Splitting. Advanced Energy Materials, 2019, 9, 1802983.	10.2	150
4	Modular Deformable Steam Electricity Cogeneration System with Photothermal, Water, and Electrochemical Tunable Multilayers. Advanced Functional Materials, 2020, 30, 2002867.	7.8	133
5	Atomicâ€and Molecularâ€Level Design of Functional Metalâ€“Organic Frameworks (MOFs) and Derivatives for Energy and Environmental Applications. Advanced Science, 2019, 6, 1901129.	5.6	121
6	Autonomous atmospheric water seeping MOF matrix. Science Advances, 2020, 6, .	4.7	120
7	Recent Advances in Metalâ€“Organic Frameworkâ€Based Mixed Matrix Membranes. Chemistry - an Asian Journal, 2013, 8, 1692-1704.	1.7	95
8	Hierarchical nanocomposite composed of layered V2O5/PEDOT/MnO2 nanosheets for high-performance asymmetric supercapacitors. Nano Energy, 2015, 12, 76-87.	8.2	90
9	One-step activation towards spontaneous etching of hollow and hierarchical porous carbon nanospheres for enhanced pollutant adsorption and energy storage. Applied Catalysis B: Environmental, 2018, 220, 533-541.	10.8	89
10	Stimulated Electrocatalytic Hydrogen Evolution Activity of MOFâ€Derived MoS₂ Basal Domains via Charge Injection through Surface Functionalization and Heteroatom Doping. Advanced Science, 2019, 6, 1900140.	5.6	73
11	Predicting the Performance of Zeolite Imidazolate Framework/Polymer Mixed Matrix Membranes for CO₂, CH₄, and H₂ Separations Using Molecular Simulations. Industrial & Engineering Chemistry Research, 2012, 51, 14218-14228.	1.8	68
12	Cross-linker mediated formation of sulfur-functionalized V₂O₅/graphene aerogels and their enhanced pseudocapacitive performance. Nanoscale, 2017, 9, 802-811.	2.8	68
13	Functional Defective Metalâ€Organic Coordinated Network of Mesostructured Nanoframes for Enhanced Electrocatalysis. Advanced Functional Materials, 2018, 28, 1704177.	7.8	68
14	Highâ€Performance Solidâ€State Supercapacitors Based on V₂O₅/Carbon Nanotube Composites. ChemElectroChem, 2016, 3, 158-164.	1.7	62
15	Molecular modeling of MOF and ZIF-filled MMMs for CO2/N2 separations. Journal of Membrane Science, 2014, 454, 407-417.	4.1	45
16	A Hybrid Solar Absorberâ€“Electrocatalytic Nâ€Doped Carbon/Alloy/Semiconductor Electrode for Localized Photothermic Electrocatalysis. Advanced Materials, 2019, 31, e1903605.	11.1	43
17	Computational screening of ZIFs for CO₂separations. Molecular Simulation, 2015, 41, 713-726.	0.9	28
18	Multi-compositional hierarchical nanostructured Ni₃S₂@MoS_x/NiO electrodes for enhanced electrocatalytic hydrogen generation and energy storage. Journal of Materials Chemistry A, 2018, 6, 20491-20499.	5.2	25

#	ARTICLE	IF	CITATIONS
19	Direct Growth of 3â€‰D Hierarchical Porous Ni₃S₂ Nanostructures on Nickel Foam for Highâ€Performance Supercapacitors. ChemNanoMat, 2016, 2, 719-725.	1.5	20
20	Dynamic thermal trapping enables cross-species smart nanoparticle swarms. Science Advances, 2021, 7, .	4.7	1