

Javad Safaei

List of Publications by Year in descending order

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29
papers

1,785
citations

331259

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28
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30
all docs

30
docs citations

30
times ranked

1922
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress and prospects of two-dimensional materials for membrane-based osmotic power generation. , 2022, 1, e9120008.		61
2	Localized Water-In-Salt Electrolyte for Aqueous Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2021, 133, 20118-20126.	1.6	6
3	Atomic-scale regulation of anionic and cationic migration in alkali metal batteries. <i>Nature Communications</i> , 2021, 12, 4184.	5.8	57
4	Localized Water-In-Salt Electrolyte for Aqueous Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19965-19973.	7.2	107
5	Serosa-Mimetic Nanoarchitecture Membranes for Highly Efficient Osmotic Energy Generation. <i>Journal of the American Chemical Society</i> , 2021, 143, 16206-16216.	6.6	70
6	Electrodeposition of BiVO ₄ with needle-like flower architecture for high performance photoelectrochemical splitting of water. <i>Ceramics International</i> , 2021, 47, 24227-24239.	2.3	19
7	A novel photoanode based on Thorium oxide (ThO ₂) incorporated with graphitic Carbon nitride (g-C ₃ N ₄) for Photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2021, 569, 151043.	3.1	25
8	Self-Assembled NbOPO ₄ Nanosheet/Reduced Graphene Oxide Heterostructure for Capacitive Desalination. <i>ACS Applied Nano Materials</i> , 2021, 4, 12629-12639.	2.4	11
9	Adsorbent materials based on a geopolymer paste for dye removal from aqueous solutions. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3017-3025.	2.3	100
10	Fabrication of exfoliated graphitic carbon nitride, (g-C ₃ N ₄) thin film by methanolic dispersion. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152916.	2.8	49
11	Boosting photocatalytic activities of BiVO ₄ by creation of g-C ₃ N ₄ /ZnO@BiVO ₄ Heterojunction. <i>Materials Research Bulletin</i> , 2020, 125, 110779.	2.7	59
12	Progress and prospects of two-dimensional materials for membrane-based water desalination. <i>Materials Today Advances</i> , 2020, 8, 100108.	2.5	27
13	Rapid fabrication of oxygen defective $\delta\text{-Fe}_{2}\text{O}_{3}$ (110) for enhanced photoelectrochemical activities. <i>Dalton Transactions</i> , 2020, 49, 12037-12048.	1.6	36
14	High-humidity processed perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10481-10518.	5.2	56
15	Dendrite-Free Sodium Metal Batteries Enabled by the Release of Contact Strain on Flexible and Sodiophilic Matrix. <i>Nano Letters</i> , 2020, 20, 6112-6119.	4.5	42
16	The influences of post-annealing temperatures on fabrication graphitic carbon nitride, (g-C ₃ N ₄) thin film. <i>Applied Surface Science</i> , 2019, 489, 92-100.	3.1	55
17	Incorporation of g-C ₃ N ₄ /Ag dopant in TiO ₂ as electron transport layer for organic solar cells. <i>Materials Letters</i> , 2019, 253, 117-120.	1.3	29
18	Aerosol-assisted chemical vapour deposition of $\delta\text{-Fe}_{2}\text{O}_{3}$ nanoflowers for photoelectrochemical water splitting. <i>Ceramics International</i> , 2019, 45, 16797-16802.	2.3	53

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19	Photoelectrochemical enhancement from deposition of BiVO ₄ photosensitizer on different thickness layer TiO ₂ photoanode for water splitting application. <i>Nano Structures Nano Objects</i> , 2019, 18, 100274.	1.9	15
20	Efficient Photoelectrochemical Performance of $\hat{\Gamma}^3$ Irradiated g-C ₃ N ₄ and Its g-C ₃ N ₄ @BiVO ₄ Heterojunction for Solar Water Splitting. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9013-9026.	1.5	93
21	Eliminating oxygen vacancies in SnO ₂ films via aerosol-assisted chemical vapour deposition for perovskite solar cells and photoelectrochemical cells. <i>Journal of Alloys and Compounds</i> , 2019, 773, 997-1008.	2.8	79
22	Peningkatan Kecekapan Pemisahan Air Menggunakan g-C ₃ N ₄ yang Disinar Gama. <i>Sains Malaysiana</i> , 2019, 48, 1129-1135.	0.3	5
23	Enhanced photoelectrochemical performance of Z-scheme g-C ₃ N ₄ /BiVO ₄ photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 296-310.	10.8	301
24	Effect of Film Thickness on Photoelectrochemical Performance of SnO ₂ Prepared via AACVD. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700570.	0.7	27
25	Graphitic carbon nitride (g-C ₃ N ₄) electrodes for energy conversion and storage: a review on photoelectrochemical water splitting, solar cells and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22346-22380.	5.2	244
26	Low Temperature Fabrication of Transparent Conductive Electrode With High Ultraviolet Transmittance Down to Wavelength of 250nm. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800441.	1.2	7
27	Facile fabrication of graphitic carbon nitride, (g-C ₃ N ₄) thin film. <i>Journal of Alloys and Compounds</i> , 2018, 769, 130-135.	2.8	60
28	Simultaneous enhancement in light absorption and charge transportation of bismuth vanadate (BiVO ₄) photoanode via microwave annealing. <i>Materials Letters</i> , 2018, 233, 67-70.	1.3	31
29	Numerical study on the effect of operating nanofluids of photovoltaic thermal system (PV/T) on the convective heat transfer. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 405-413.	2.8	61