

Aniketa A Shinde

List of Publications by Year in descending order

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28
papers

980
citations

516710

16
h-index

501196

28
g-index

28
all docs

28
docs citations

28
times ranked

1366
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Stability of Metastable Materials. Chemistry of Materials, 2017, 29, 10159-10167.	6.7	168
2	Solar fuels photoanode materials discovery by integrating high-throughput theory and experiment. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3040-3043.	7.1	157
3	Rutile Alloys in the Mn ³⁺ /Sb ³⁺ /O System Stabilize Mn ³⁺ To Enable Oxygen Evolution in Strong Acid. ACS Catalysis, 2018, 8, 10938-10948.	11.2	97
4	High Throughput Discovery of Solar Fuels Photoanodes in the Cu ₂ O ₅ System. Advanced Energy Materials, 2015, 5, 1500968.	19.5	82
5	Stability and self-passivation of copper vanadate photoanodes under chemical, electrochemical, and photoelectrochemical operation. Physical Chemistry Chemical Physics, 2016, 18, 9349-9352.	2.8	56
6	High-Throughput Screening for Acid-Stable Oxygen Evolution Electrocatalysts in the (Mn ³⁺ /Co ³⁺ /Ta ⁵⁺ /Sb) _x Composition Space. Electrocatalysis, 2015, 6, 229-236.	3.0	53
7	Discovery of Manganese-Based Solar Fuel Photoanodes via Integration of Electronic Structure Calculations, Pourbaix Stability Modeling, and High-Throughput Experiments. ACS Energy Letters, 2017, 2, 2307-2312.	17.4	36
8	A new parameter to define interplanetary coronal mass ejections. Advances in Space Research, 2005, 35, 2178-2184.	2.6	35
9	Discovery of Fe ³⁺ /Ce Oxide/BiVO ₄ Photoanodes through Combinatorial Exploration of Ni ²⁺ /Fe ³⁺ /Co ³⁺ /Ce Oxide Coatings. ACS Applied Materials & Interfaces, 2016, 8, 23696-23705.	8.0	35
10	Successes and Opportunities for Discovery of Metal Oxide Photoanodes for Solar Fuels Generators. ACS Energy Letters, 2020, 5, 1413-1421.	17.4	30
11	ON DEFINING INTERPLANETARY CORONAL MASS EJECTIONS FROM FLUID PARAMETERS. Solar Physics, 2005, 229, 323-344.	2.5	29
12	Fermi Level Engineering of Passivation and Electron Transport Materials for p-Type CuBi ₂ O ₄ Employing a High-Throughput Methodology. Advanced Functional Materials, 2020, 30, 2000948.	14.9	28
13	Functional mapping reveals mechanistic clusters for OER catalysis across (Cu ²⁺ /Mn ³⁺ /Ta ⁵⁺ /Co ³⁺ /Sn ⁴⁺ /Fe) _x composition and pH space. Materials Horizons, 2019, 6, 1251-1258.	12.2	22
14	Bi-Containing n-FeWO ₄ Thin Films Provide the Largest Photovoltage and Highest Stability for a Sub-2 eV Band Gap Photoanode. ACS Energy Letters, 2018, 3, 2769-2774.	17.4	20
15	Unveiling new stable manganese based photoanode materials via theoretical high-throughput screening and experiments. Chemical Communications, 2019, 55, 13418-13421.	4.1	18
16	Discovery and Characterization of a Pourbaix-Stable, 1.8 eV Direct Gap Bismuth Manganate Photoanode. Chemistry of Materials, 2017, 29, 10027-10036.	6.7	17
17	Identification of optimal solar fuel electrocatalysts via high throughput in situ optical measurements. Journal of Materials Research, 2015, 30, 442-450.	2.6	16
18	Quaternary Oxide Photoanode Discovery Improves the Spectral Response and Photovoltage of Copper Vanadates. Matter, 2020, 3, 1614-1630.	10.0	16

#	ARTICLE	IF	CITATIONS
19	Combinatorial screening yields discovery of 29 metal oxide photoanodes for solar fuel generation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4239-4243.	10.3	13
20	Parallel Electrochemical Treatment System and Application for Identifying Acid-Stable Oxygen Evolution Electrocatalysts. <i>ACS Combinatorial Science</i> , 2015, 17, 71-75.	3.8	12
21	Reactor design and integration with product detection to accelerate screening of electrocatalysts for carbon dioxide reduction. <i>Review of Scientific Instruments</i> , 2018, 89, 124102.	1.3	11
22	An atomistic view of structural and electronic properties of rare earth ensembles on Si(001) substrates. <i>Chemical Physics Letters</i> , 2008, 466, 159-164.	2.6	8
23	Band Edge Energy Tuning through Electronic Character Hybridization in Ternary Metal Vanadates. <i>Chemistry of Materials</i> , 2021, 33, 7242-7253.	6.7	7
24	Structural and Chemical Properties of Gold Rare Earth Disilicide Core~Shell Nanowires. <i>ACS Nano</i> , 2011, 5, 477-485.	14.6	4
25	First principles studies of adsorption of Pd, Ag, Pt, and Au on yttrium disilicide nanowires. <i>Chemical Physics Letters</i> , 2008, 454, 327-331.	2.6	3
26	Materials structure~property factorization for identification of synergistic phase interactions in complex solar fuels photoanodes. <i>Npj Computational Materials</i> , 2022, 8, .	8.7	3
27	Alkaline-stable nickel manganese oxides with ideal band gap for solar fuel photoanodes. <i>Chemical Communications</i> , 2018, 54, 4625-4628.	4.1	2
28	Balancing Surface Passivation and Catalysis with Integrated BiVO ₄ /(Fe~Ce)O _x Photoanodes in pH 9 Borate Electrolyte. <i>ACS Applied Energy Materials</i> , 2018, , .	5.1	2