

Taner Akbay

List of Publications by Year in descending order

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13
papers

476
citations

1040056

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1281871

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1031
citing authors

#	ARTICLE	IF	CITATIONS
1	Ni-Fe Nitride Nanoplates on Nitrogen-Doped Graphene as a Synergistic Catalyst for Reversible Oxygen Evolution Reaction and Rechargeable Zn-Air Battery. <i>Small</i> , 2017, 13, 1700099.	10.0	151
2	Oxygen Activation and Dissociation on Transition Metal Free Perovskite Surfaces. <i>Chemistry of Materials</i> , 2015, 27, 8273-8281.	6.7	87
3	Fast Diffusivity of PF ₆ ⁻ Anions in Graphitic Carbon for a Dual-Carbon Rechargeable Battery with Superior Rate Property. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22887-22894.	3.1	82
4	The interaction of molecular oxygen on LaO terminated surfaces of La ₂ NiO ₄ . <i>Journal of Materials Chemistry A</i> , 2016, 4, 13113-13124.	10.3	54
5	Strain Effects on Oxygen Reduction Activity of Pr ₂ NiO ₄ Caused by Gold Bulk Dispersion for Low Temperature Solid Oxide Fuel Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 1210-1220.	5.1	22
6	A systematic evaluation of the role of lanthanide elements in functional complex oxides; implications for energy conversion devices. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11819-11829.	10.3	21
7	Single-Electron-Trapped Oxygen Vacancy on Ultrathin WO ₃ ·0.33H ₂ O {100} Facets Suppressing Backward Reaction for Promoted H ₂ Evolution in Pure Water Splitting. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2998-3005.	4.6	18
8	Chemo-mechanical strain effects on band engineering of the TiO ₂ photocatalyst for increasing the water splitting activity. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1335-1346.	10.3	17
9	Hexafluorophosphate-Bis(trifluoromethanesulfonyl)imide anion co-intercalation for increased performance of dual-carbon battery using mixed salt electrolyte. <i>Journal of Power Sources</i> , 2020, 479, 229084.	7.8	14
10	Sillars Aurivillius phase bismuth niobium oxychloride, Bi ₄ NbO ₈ Cl, as a new oxide-ion conductor. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2550-2558.	10.3	8
11	Explicit Solution To Extract Self-Diffusion and Surface Exchange Coefficients from Isotope Back-Exchange Experiments. <i>Journal of Physical Chemistry C</i> , 2019, 123, 258-264.	3.1	2
12	Computational Investigation of Electric Field Driven Lithium Intercalation Into Bilayer Graphene. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 425-425.	0.0	0
13	Computational Investigation of Li-Ion Adsorption on Charged Graphene. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 524-524.	0.0	0