

Yonghyuk Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ruthenium Oxide Nanosheets for Enhanced Oxygen Evolution Catalysis in Acidic Medium. <i>Advanced Energy Materials</i> , 2019, 9, 1803795.	19.5	147
2	Unraveling the Intercalation Chemistry of Hexagonal Tungsten Bronze and Its Optical Responses. <i>Chemistry of Materials</i> , 2016, 28, 4528-4535.	6.7	47
3	Understanding the advantage of hexagonal WO_3 as an efficient photoanode for solar water splitting: a first-principles perspective. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11498-11506.	10.3	45
4	$\langle mml:math \text{ xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ display}=\text{"inline"} \rangle \langle mml:mrow \rangle \langle mml:msub \rangle \langle mml:mrow \rangle \langle mml:mi \rangle \text{IrO} \langle /mml:mi \rangle \langle /mml:mrow \rangle \langle mml:mrow \rangle \langle mml:mi \rangle 2 \langle /mml:mi \rangle \langle /mml:mrow \rangle \langle /mml:math \rangle$ Surface Complexions Identified through Machine Learning and Surface Investigations. <i>Physical Review Letters</i> , 2020, 125, 206101.	7.8	32
5	Aligning the Band Structures of Polymorphic Molybdenum Oxides and Organic Emitters in Light-Emitting Diodes. <i>Physical Review Applied</i> , 2017, 7, .	3.8	19
6	Data-efficient iterative training of Gaussian approximation potentials: Application to surface structure determination of rutile IrO ₂ and RuO ₂ . <i>Journal of Chemical Physics</i> , 2021, 155, 244107.	3.0	16
7	Disentangling the Effects of Inter- and Intra-octahedral Distortions on the Electronic Structure in Binary Metal Trioxides. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3558-3566.	3.1	14
8	<i>Ab Initio</i> Thermodynamics of Surface Oxide Structures under Controlled Growth Conditions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2228-2233.	3.1	11
9	In search of non-conventional surface oxidic motifs of Cu on Au(111). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7349-7358.	2.8	7
10	Polytypism in Hexagonal Tungsten Trioxide: Insights from <i>Ab Initio</i> Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21644-21650.	3.1	7
11	Epitaxial Core-Shell Oxide Nanoparticles: First-Principles Evidence for Increased Activity and Stability of Rutile Catalysts for Acidic Oxygen Evolution. <i>ChemSusChem</i> , 2022, 15, .	6.8	7
12	Oxygen Evolution Catalysis: Ruthenium Oxide Nanosheets for Enhanced Oxygen Evolution Catalysis in Acidic Medium (<i>Adv. Energy Mater.</i> 15/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970048.	19.5	4