

Meena Rittiruam

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Performance controlled via surface oxygen-vacancy in Ti-based oxide catalyst during methyl oleate epoxidation. <i>Scientific Reports</i> , 2020, 10, 18952.	3.3	27
2	Computational Study of the Evolution of Ni-Based Catalysts during the Dry Reforming of Methane. <i>Energy & Fuels</i> , 2020, 34, 4855-4864.	5.1	22
3	On the deactivation mechanisms of MnO ₂ electrocatalyst during operation in rechargeable zinc-air batteries studied via density functional theory. <i>Journal of Alloys and Compounds</i> , 2021, 869, 159280.	5.5	17
4	Molecular simulation for thermoelectric properties of c-axis oriented hexagonal GeSbTe model clusters. <i>Materials and Design</i> , 2016, 89, 957-963.	7.0	16
5	On a high photocatalytic activity of high-noble alloys Au@Ag/TiO ₂ catalysts during oxygen evolution reaction of water oxidation. <i>Scientific Reports</i> , 2022, 12, 2604.	3.3	15
6	Experimental and computational investigation on underlying factors promoting high coke resistance in NiCo bimetallic catalysts during dry reforming of methane. <i>Scientific Reports</i> , 2021, 11, 519.	3.3	14
7	La/Sm/Er Cation Doping Induced Thermal Properties of SrTiO ₃ Perovskite. <i>Inorganic Chemistry</i> , 2016, 55, 8822-8826.	4.0	13
8	Enhancing the Thermoelectric Performance of Self-Defect TiNiSn: A First-Principles Calculation. <i>Journal of Electronic Materials</i> , 2018, 47, 7456-7462.	2.2	9
9	A computational-experimental investigation on high ethylene selectivity in ethanol dehydration reaction found on WO _x /ZrO ₂ -activated carbon bi-support systems. <i>Scientific Reports</i> , 2019, 9, 19738.	3.3	8
10	Reduced lattice thermal conductivity of Ti-site substituted transition metals Ti _{1-x} TM _x NiSn: A quasi-harmonic Debye model study. <i>Chinese Journal of Physics</i> , 2019, 57, 393-402.	3.9	8
11	Deactivating and Non-Deactivating Coking Found on Ni-Based Catalysts during Combined Steam-Dry Reforming of Methane. <i>Topics in Catalysis</i> , 2021, 64, 357-370.	2.8	8
12	Experimental and computational study on roles of WO _x promoting strong metal support promoter interaction in Pt catalysts during glycerol hydrogenolysis. <i>Scientific Reports</i> , 2021, 11, 530.	3.3	8
13	Experimental and DFT investigations on enhanced stability found on Re-, Rh-, and Nb-promoted Pt/WO _x /Al ₂ O ₃ catalyst during aqueous-phase glycerol hydrogenolysis. <i>Fuel</i> , 2022, 326, 125019.	6.4	6
14	Experimental and DFT investigations of the performance of ZrO ₂ catalysts modified with Ce, La, Y, Mg, and Ba oxides during methyl stearate ketonization. <i>Applied Surface Science</i> , 2022, 585, 152627.	6.1	5
15	Affected annealing time treatment on preferred orientation and thermoelectric properties of GeSbTe _{0.5} alloy thin film. <i>Current Applied Physics</i> , 2016, 16, 305-310.	2.4	3
16	Enhancing the thermoelectric properties of TiNiSn by transition metals co-doped on the Ti-site of Ti _{0.5} Tm _{0.25} M _{0.25} NiSn: A first-principles study. <i>Journal of Applied Physics</i> , 2018, 124, 175101.	2.5	3
17	Thermal Properties of Bi Doped PbTe Simulated by Molecular Dynamics. <i>Integrated Ferroelectrics</i> , 2014, 155, 150-155.	0.7	2
18	Dilute concentrations of Sb (Bi) dopants in Sn-site enhance the thermoelectric properties of TiNiSn half-Heusler alloys: a first-principles study. <i>Japanese Journal of Applied Physics</i> , 2020, 59, 035003.	1.5	2

#	ARTICLE	IF	CITATIONS
19	A key role of soft and refractory coke in the deactivation of γ - Al_2O_3 catalysts during low-temperature methyl oleate epoxidation: An experiment and DFT study. <i>Fuel</i> , 2022, 321, 124064.	6.4	2