

# Meena Rittiruam

## List of Publications by Year in descending order

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19  
papers

188  
citations

1163117

8  
h-index

1125743

13  
g-index

19  
all docs

19  
docs citations

19  
times ranked

168  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and DFT investigations of the performance of ZrO <sub>2</sub> 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
2	On a high photocatalytic activity of high-noble alloys Au–Ag/TiO <sub>2</sub> catalysts during oxygen evolution reaction of water oxidation. <i>Scientific Reports</i> , 2022, 12, 2604.	3.3	15
3	A key role of soft and refractory coke in the deactivation of $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalysts during low-temperature methyl oleate epoxidation: An experiment and DFT study. <i>Fuel</i> , 2022, 321, 124064.	6.4	2
4	Experimental and DFT investigations on enhanced stability found on Re-, Rh-, and Nb-promoted Pt/WO <sub>x</sub> / $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalyst during aqueous-phase glycerol hydrogenolysis. <i>Fuel</i> , 2022, 326, 125019.	6.4	6
5	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
6	On the deactivation mechanisms of MnO <sub>2</sub> 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
7	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
8	Experimental and computational study on roles of WO <sub>x</sub> promoting strong metal support promoter interaction in Pt catalysts during glycerol hydrogenolysis. <i>Scientific Reports</i> , 2021, 11, 530.	3.3	8
9	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
10	Computational Study of the Evolution of Ni-Based Catalysts during the Dry Reforming of Methane. <i>Energy &amp; Fuels</i> , 2020, 34, 4855-4864.	5.1	22
11	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
12	A computational-experimental investigation on high ethylene selectivity in ethanol dehydration reaction found on WO <sub>x</sub> /ZrO <sub>2</sub> -activated carbon bi-support systems. <i>Scientific Reports</i> , 2019, 9, 19738.	3.3	8
13	Reduced lattice thermal conductivity of Ti-site substituted transition metals Ti <sub>1-x</sub> TM <sub>x</sub> NiSn: A quasi-harmonic Debye model study. <i>Chinese Journal of Physics</i> , 2019, 57, 393-402.	3.9	8
14	Enhancing the thermoelectric properties of TiNiSn by transition metals co-doped on the Ti-site of Ti <sub>0.5</sub> Tm <sub>1.0</sub> 0.25NiSn: A first-principles study. <i>Journal of Applied Physics</i> , 2018, 124, 175101.	2.5	3
15	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
16	La/Sm/Er Cation Doping Induced Thermal Properties of SrTiO <sub>3</sub> Perovskite. <i>Inorganic Chemistry</i> , 2016, 55, 8822-8826.	4.0	13
17	Affected annealing time treatment on preferred orientation and thermoelectric properties of $\text{La}_{0.5}\text{GeSbTe}_{0.5}$ alloy thin film. <i>Current Applied Physics</i> , 2016, 16, 305-310.	2.4	3
18	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

#	ARTICLE	IF	CITATIONS
19	Thermal Properties of Bi Doped PbTe Simulated by Molecular Dynamics. Integrated Ferroelectrics, 2014, 155, 150-155.	0.7	2