

# Suvarna Trivedi

## List of Publications by Year in descending order

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27  
papers

1,049  
citations

516710

16  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Progress in Growth of Single-Crystal Perovskites for Photovoltaic Applications. ACS Omega, 2021, 6, 1030-1042.	3.5	35
2	In the Quest of Low-Frequency Impedance Spectra of Efficient Perovskite Solar Cells. Energy Technology, 2021, 9, 2100229.	3.8	16
3	Simultaneous catalytic oxidation of CO and diesel soot over LaCoO <sub>3</sub> perovskite. Materials Letters, 2021, 292, 129588.	2.6	7
4	Interface Engineering of Mesoscopic Perovskite Solar Cells by Atomic Layer Deposition of Ta <sub>2</sub> O <sub>5</sub> . ACS Applied Energy Materials, 2021, 4, 10433-10441.	5.1	9
5	Catalytic abatement of CO, HCs and soot emissions over spinel-based catalysts from diesel engines: An overview. Journal of Environmental Chemical Engineering, 2020, 8, 103627.	6.7	18
6	Suppressing recombination in perovskite solar cells via surface engineering of TiO <sub>2</sub> ETL. Solar Energy, 2020, 197, 50-57.	6.1	53
7	A review of aspects of additive engineering in perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 27-54.	10.3	232
8	Current scenario of CNG vehicular pollution and their possible abatement technologies: an overview. Environmental Science and Pollution Research, 2020, 27, 39977-40000.	5.3	16
9	Interpretation of Resistance, Capacitance, Defect Density, and Activation Energy Levels in Single-Crystalline MAPbI <sub>3</sub> . Journal of Physical Chemistry C, 2020, 124, 3496-3502.	3.1	33
10	A review on catalytic oxidation of soot emitted from diesel fuelled engines. Journal of Environmental Chemical Engineering, 2020, 8, 103945.	6.7	52
11	Elucidation of the role of guanidinium incorporation in single-crystalline MAPbI <sub>3</sub> perovskite on ion migration and activation energy. Physical Chemistry Chemical Physics, 2020, 22, 11467-11473.	2.8	36
12	Identification of defects and defect energy distribution in the perovskite layer of MAPbI <sub>3</sub> Cl perovskite solar cell. Materials Research Express, 2019, 6, 105510.	1.6	4
13	Charge Accumulation, Recombination, and Their Associated Time Scale in Efficient (GUA) <sub>x</sub> (MA) <sub>1-x</sub> PbI <sub>3</sub> -Based Perovskite Solar Cells. ACS Omega, 2019, 4, 16840-16846.	3.5	25
14	Influence of A-site cations on the open-circuit voltage of efficient perovskite solar cells: a case of rubidium and guanidinium additives. Journal of Materials Chemistry A, 2019, 7, 8218-8225.	10.3	43
15	Ethanol steam reforming study over ZSM-5 supported cobalt versus nickel catalyst for renewable hydrogen generation. Chinese Journal of Chemical Engineering, 2019, 27, 677-684.	3.5	19
16	Low-temperature complete oxidation of CO over various manganese oxide catalysts. Atmospheric Pollution Research, 2018, 9, 755-763.	3.8	56
17	Synthesis of Pd doped NiCo <sub>2</sub> O <sub>4</sub> by reactive calcination route for oxidation of CO-CH <sub>4</sub> emissions from CNG vehicles. New Journal of Chemistry, 2018, 42, 4142-4154.	2.8	8
18	Design of active NiCo <sub>2</sub> O <sub>4</sub> spinel catalyst for abatement of CO-CH <sub>4</sub> emissions from CNG fueled vehicles. AIChE Journal, 2018, 64, 2632-2646.	3.6	20

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19	Choice of precipitant and calcination temperature of precursor for synthesis of NiCo <sub>2</sub> O <sub>4</sub> for control of CO <sub>2</sub> emissions from CNG vehicles. Journal of Environmental Sciences, 2018, 65, 62-71.	6.1	14
20	A four-way catalytic system for control of emissions from diesel engine. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	1.3	2
21	Kinetics of simultaneous oxidation of CO <sub>2</sub> over Pd promoted NiCo <sub>2</sub> O <sub>4</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst. Canadian Journal of Chemical Engineering, 2018, 96, 1352-1359.	1.7	1
22	Ethanol steam reforming for hydrogen production: Latest and effective catalyst modification strategies to minimize carbonaceous deactivation. Renewable and Sustainable Energy Reviews, 2017, 74, 89-103.	16.4	218
23	Ethanol steam reforming with Co <sub>0</sub> (111) for hydrogen and carbon nanofilament generation. Resource-efficient Technologies, 2017, 3, 422-428.	0.1	6
24	Selection of cobaltite and effect of preparation method of NiCo <sub>2</sub> O <sub>4</sub> for catalytic oxidation of CO <sub>2</sub> mixture. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 440-453.	1.5	20
25	Oxidation Kinetics of Propane-Air Mixture over NiCo <sub>2</sub> O <sub>4</sub> Catalyst Emitted from LPG Vehicles. Bulletin of Chemical Reaction Engineering and Catalysis, 2017, 12, 191.	1.1	0
26	Reactive calcination route for synthesis of active Mn <sub>2</sub> Co <sub>3</sub> O <sub>4</sub> spinel catalysts for abatement of CO <sub>2</sub> emissions from CNG vehicles. Journal of Environmental Chemical Engineering, 2016, 4, 1017-1028.	6.7	36
27	Preparation Methods and Applications of CuO-CeO <sub>2</sub> Catalysts: A Short Review. Bulletin of Chemical Reaction Engineering and Catalysis, 2010, 5, .	1.1	70