

# Praveen K Cheekatamarla

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

818  
citations

687220

13  
h-index

552653

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

716  
citing authors

#	ARTICLE	IF	CITATIONS
1	Opportunities for Catalytic Reactions and Materials in Buildings. Encyclopedia, 2022, 2, 36-55.	2.4	0
2	Role of On-Site Generation in Carbon Emissions and Utility Bill Savings under Different Electric Grid Scenarios. Energies, 2022, 15, 3477.	1.6	3
3	Near isothermal compressed air energy storage system in residential and commercial buildings: Techno-economic analysis. Energy, 2022, 251, 123963.	4.5	7
4	Decarbonization of Residential Building Energy Supply: Impact of Cogeneration System Performance on Energy, Environment, and Economics. Energies, 2021, 14, 2538.	1.6	5
5	Analysis of power conversion technology options for a self-powered furnace. Applied Thermal Engineering, 2021, 188, 116627.	3.0	7
6	Sustainable Energy Solutions for Thermal Load in Buildingsâ€”Role of Heat Pumps, Solar Thermal, and Hydrogen-Based Cogeneration Systems. ASME Journal of Engineering for Sustainable Buildings and Cities, 2021, 2, .	0.6	3
7	A Comprehensive Review and Qualitative Analysis of Micro-Combined Heat and Power Modeling Approaches. Energies, 2020, 13, 3581.	1.6	6
8	Performance analysis of hybrid power configurations: Impact on primary energy intensity, carbon dioxide emissions, and life cycle costs. International Journal of Hydrogen Energy, 2020, 45, 34089-34098.	3.8	8
9	SOFCâ€™s Bumpy Road and Hopeful Future â€” a Case Study. ECS Transactions, 2019, 91, 179-186.	0.3	1
10	Advanced tubular solid oxide fuel cells with high efficiency for internal reforming of hydrocarbon fuels. Journal of Power Sources, 2009, 188, 521-526.	4.0	21
11	Design, integration and demonstration of a 50W JP8/kerosene fueled portable SOFC power generator. Journal of Power Sources, 2009, 193, 797-803.	4.0	27
12	Advanced Anode-supported Micro-tubular SOFC Development. ECS Transactions, 2009, 17, 103-110.	0.3	1
13	Synthesis gas production via catalytic partial oxidation reforming of liquid fuels. International Journal of Hydrogen Energy, 2008, 33, 5012-5019.	3.8	52
14	Internal Reforming of Hydrocarbon Fuels in Tubular Solid Oxide Fuel Cells. ECS Transactions, 2008, 12, 439-448.	0.3	2
15	Portable Propane Micro-Tubular SOFC System Development. ECS Transactions, 2007, 7, 483-492.	0.3	6
16	Geometric Effects on Tubular Solid Oxide Fuel Cells. ECS Transactions, 2007, 7, 589-596.	0.3	2
17	Performance Characteristics of an Integrated 50We Portable JP8 SOFC - Reformer System. ECS Transactions, 2007, 5, 453-462.	0.3	2
18	Efficient sulfur-tolerant bimetallic catalysts for hydrogen generation from diesel fuel. Journal of Power Sources, 2006, 153, 157-164.	4.0	29

#	ARTICLE	IF	CITATIONS
19	Catalytic autothermal reforming of diesel fuel for hydrogen generation in fuel cells. Journal of Power Sources, 2006, 154, 223-231.	4.0	51
20	Hydrogen generation from 2,2,4-trimethyl pentane reforming over molybdenum carbide at low steam-to-carbon ratios. Journal of Power Sources, 2006, 156, 520-524.	4.0	17
21	Catalytic activity of molybdenum carbide for hydrogen generation via diesel reforming. Journal of Power Sources, 2006, 158, 477-484.	4.0	29
22	Reforming catalysts for hydrogen generation in fuel cell applications. Journal of Power Sources, 2006, 160, 490-499.	4.0	203
23	Selective low-temperature removal of carbon monoxide from hydrogen-rich fuels over Cu-Ce-Al catalysts. Journal of Power Sources, 2005, 147, 178-183.	4.0	47
24	Catalytic autothermal reforming of diesel fuel for hydrogen generation in fuel cells. Journal of Power Sources, 2005, 152, 256-263.	4.0	107
25	Efficient bimetallic catalysts for hydrogen generation from diesel fuel. International Journal of Hydrogen Energy, 2005, 30, 1277-1285.	3.8	59
26	Poisoning effect of thiophene on the catalytic activity of molybdenum carbide during tri-methyl pentane reforming for hydrogen generation. Applied Catalysis A: General, 2005, 287, 176-182.	2.2	33
27	Reaction and surface characterization studies of titania-supported Co, Pt and Co/Pt catalysts for the selective oxidation of CO in H <sub>2</sub> -containing streams. Chemical Engineering Journal, 2003, 93, 61-68.	6.6	89