

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	Reforming catalysts for hydrogen generation in fuel cell applications. <i>Journal of Power Sources</i> , 2006, 160, 490-499.	4.0	203
2	Catalytic autothermal reforming of diesel fuel for hydrogen generation in fuel cells. <i>Journal of Power Sources</i> , 2005, 152, 256-263.	4.0	107
3	Reaction and surface characterization studies of titania-supported Co, Pt and Co/Pt catalysts for the selective oxidation of CO in H ₂ -containing streams. <i>Chemical Engineering Journal</i> , 2003, 93, 61-68.	6.6	89
4	Efficient bimetallic catalysts for hydrogen generation from diesel fuel. <i>International Journal of Hydrogen Energy</i> , 2005, 30, 1277-1285.	3.8	59
5	Synthesis gas production via catalytic partial oxidation reforming of liquid fuels. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 5012-5019.	3.8	52
6	Catalytic autothermal reforming of diesel fuel for hydrogen generation in fuel cells. <i>Journal of Power Sources</i> , 2006, 154, 223-231.	4.0	51
7	Selective low-temperature removal of carbon monoxide from hydrogen-rich fuels over Cu-Ce-Al catalysts. <i>Journal of Power Sources</i> , 2005, 147, 178-183.	4.0	47
8	Poisoning effect of thiophene on the catalytic activity of molybdenum carbide during tri-methyl pentane reforming for hydrogen generation. <i>Applied Catalysis A: General</i> , 2005, 287, 176-182.	2.2	33
9	Efficient sulfur-tolerant bimetallic catalysts for hydrogen generation from diesel fuel. <i>Journal of Power Sources</i> , 2006, 153, 157-164.	4.0	29
10	Catalytic activity of molybdenum carbide for hydrogen generation via diesel reforming. <i>Journal of Power Sources</i> , 2006, 158, 477-484.	4.0	29
11	Design, integration and demonstration of a 50W JP8/kerosene fueled portable SOFC power generator. <i>Journal of Power Sources</i> , 2009, 193, 797-803.	4.0	27
12	Advanced tubular solid oxide fuel cells with high efficiency for internal reforming of hydrocarbon fuels. <i>Journal of Power Sources</i> , 2009, 188, 521-526.	4.0	21
13	Hydrogen generation from 2,2,4-trimethyl pentane reforming over molybdenum carbide at low steam-to-carbon ratios. <i>Journal of Power Sources</i> , 2006, 156, 520-524.	4.0	17
14	Performance analysis of hybrid power configurations: Impact on primary energy intensity, carbon dioxide emissions, and life cycle costs. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 34089-34098.	3.8	8
15	Analysis of power conversion technology options for a self-powered furnace. <i>Applied Thermal Engineering</i> , 2021, 188, 116627.	3.0	7
16	Near isothermal compressed air energy storage system in residential and commercial buildings: Techno-economic analysis. <i>Energy</i> , 2022, 251, 123963.	4.5	7
17	Portable Propane Micro-Tubular SOFC System Development. <i>ECS Transactions</i> , 2007, 7, 483-492.	0.3	6
18	A Comprehensive Review and Qualitative Analysis of Micro-Combined Heat and Power Modeling Approaches. <i>Energies</i> , 2020, 13, 3581.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Decarbonization of Residential Building Energy Supply: Impact of Cogeneration System Performance on Energy, Environment, and Economics. <i>Energies</i> , 2021, 14, 2538.	1.6	5
20	Sustainable Energy Solutions for Thermal Load in Buildings—Role of Heat Pumps, Solar Thermal, and Hydrogen-Based Cogeneration Systems. <i>ASME Journal of Engineering for Sustainable Buildings and Cities</i> , 2021, 2, .	0.6	3
21	Role of On-Site Generation in Carbon Emissions and Utility Bill Savings under Different Electric Grid Scenarios. <i>Energies</i> , 2022, 15, 3477.	1.6	3
22	Geometric Effects on Tubular Solid Oxide Fuel Cells. <i>ECS Transactions</i> , 2007, 7, 589-596.	0.3	2
23	Performance Characteristics of an Integrated 50We Portable JP8 SOFC - Reformer System. <i>ECS Transactions</i> , 2007, 5, 453-462.	0.3	2
24	Internal Reforming of Hydrocarbon Fuels in Tubular Solid Oxide Fuel Cells. <i>ECS Transactions</i> , 2008, 12, 439-448.	0.3	2
25	Advanced Anode-supported Micro-tubular SOFC Development. <i>ECS Transactions</i> , 2009, 17, 103-110.	0.3	1
26	SOFCs—Bumpy Road and Hopeful Future — a Case Study. <i>ECS Transactions</i> , 2019, 91, 179-186.	0.3	1
27	Opportunities for Catalytic Reactions and Materials in Buildings. <i>Encyclopedia</i> , 2022, 2, 36-55.	2.4	0