

# Rajesh V Shende

## List of Publications by Year in descending order

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24  
papers

742  
citations

567281

15  
h-index

610901

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermochemical water-splitting for H <sub>2</sub> generation using sol-gel derived Mn-ferrite in a packed bed reactor. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 2924-2934.	7.1	92
2	Strontium Zirconate and Strontium Titanate Ceramics for High-Voltage Applications: Synthesis, Processing, and Dielectric Properties. <i>Journal of the American Ceramic Society</i> , 2001, 84, 1648-1650.	3.8	90
3	Kinetics of Wet Air Oxidation of Glyoxalic Acid and Oxalic Acid. <i>Industrial &amp; Engineering Chemistry Research</i> , 1994, 33, 3125-3130.	3.7	89
4	Kinetics of Wet Oxidation of Formic Acid and Acetic Acid. <i>Industrial &amp; Engineering Chemistry Research</i> , 1997, 36, 4809-4814.	3.7	71
5	Hydrothermal liquefaction of pinewood ( <i>Pinus ponderosa</i> ) for H <sub>2</sub> , biocrude and bio-oil generation. <i>Applied Energy</i> , 2014, 134, 401-412.	10.1	60
6	Subcritical Aqueous-Phase Oxidation Kinetics of Acrylic, Maleic, Fumaric, and Muconic Acids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2000, 39, 40-47.	3.7	41
7	Insight into Catalytic Hydrothermal Liquefaction of Cardboard for Biofuels Production. <i>Energy &amp; Fuels</i> , 2016, 30, 4933-4944.	5.1	33
8	Mechanically flexible electrospun carbon nanofiber mats derived from biochar and polyacrylonitrile. <i>Materials Letters</i> , 2017, 205, 206-210.	2.6	32
9	Sol-Gel Derived NiFe <sub>2</sub> O <sub>4</sub> Modified with ZrO <sub>2</sub> for Hydrogen Generation from Solar Thermochemical Water-Splitting Reaction. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1387, 1.	0.1	30
10	Determination of Binder Decomposition Kinetics for Specifying Heating Parameters in Binder Burnout Cycles. <i>Journal of the American Ceramic Society</i> , 2002, 85, 780-786.	3.8	29
11	Enhanced hydrogen generation using ZrO <sub>2</sub> -modified coupled ZnO/TiO <sub>2</sub> nanocomposites in the absence of noble metal co-catalyst. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 5557-5568.	7.1	27
12	Kinetics of Wet Oxidation of Propionic and 3-Hydroxypropionic Acids. <i>Industrial &amp; Engineering Chemistry Research</i> , 1999, 38, 2557-2563.	3.7	26
13	Carbon Nanofibrous Sponge Made from Hydrothermally Generated Biochar and Electrospun Polymer Nanofibers. <i>Advanced Fiber Materials</i> , 2020, 2, 74-84.	16.1	23
14	Interconnected ZrO <sub>2</sub> doped ZnO/TiO <sub>2</sub> network photoanode for dye-sensitized solar cells. <i>Energy Reports</i> , 2018, 4, 56-64.	5.1	22
15	Supercritical extraction with carbon dioxide and ethylene of poly(vinyl butyral) and dioctyl phthalate from multilayer ceramic capacitors. <i>Journal of Supercritical Fluids</i> , 2002, 23, 153-162.	3.2	19
16	Effects of supercritical extraction on the plasticization of poly(vinyl butyral) and dioctyl phthalate films. <i>Journal of Supercritical Fluids</i> , 2004, 28, 113-120.	3.2	11
17	Title is missing!. <i>Journal of Materials Science: Materials in Electronics</i> , 2001, 12, 637-643.	2.2	8
18	Catalytic HTL-derived biochar and sol-gel synthesized (Mn, Ti) oxides for asymmetric supercapacitors. <i>International Journal of Energy Research</i> , 2020, 44, 12546-12558.	4.5	7

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19	Simultaneous Electrospinning and Electro spraying for the Preparation of a Precursor Membrane Containing Hydrothermally Generated Biochar Particles to Produce the Value-Added Product of Carbon Nanofibrous Felt. <i>Polymers</i> , 2021, 13, 676.	4.5	7
20	Effect of porosity on the electrical properties of Y <sub>2</sub> O <sub>3</sub> -doped SrTiO <sub>3</sub> internal boundary layer capacitors. <i>Journal of Applied Physics</i> , 2004, 95, 4310-4315.	2.5	6
21	Defect Formation during Supercritical Extraction of Binder from Green Ceramic Components. <i>Journal of the American Ceramic Society</i> , 2004, 87, 1254-1258.	3.8	6
22	Graphitized Biocarbon Derived from Hydrothermally Liquefied Low-Ash Corn Stover. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 392-402.	3.7	6
23	Sol-gel derived mixed phase (Mn, Ti) oxides/graphene nanoplatelets for hybrid supercapacitors. <i>International Journal of Energy Research</i> , 2020, 44, 12474-12484.	4.5	4
24	Application of Zn-ferrite towards thermochemical utilization of carbon dioxide: A thermodynamic investigation. <i>Energy Conversion and Management</i> , 2021, 245, 114528.	9.2	3