

# 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	Graphitized Biocarbon Derived from Hydrothermally Liquefied Low-Ash Corn Stover. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 392-402.	3.7	6
2	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
3	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
4	Catalytic <sc>HTL</sc> 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
5	Carbon Nanofibrous Sponge Made from Hydrothermally Generated Biochar and Electrospun Polymer Nanofibers. <i>Advanced Fiber Materials</i> , 2020, 2, 74-84.	16.1	23
6	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
7	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
8	Mechanically flexible electrospun carbon nanofiber mats derived from biochar and polyacrylonitrile. <i>Materials Letters</i> , 2017, 205, 206-210.	2.6	32
9	Insight into Catalytic Hydrothermal Liquefaction of Cardboard for Biofuels Production. <i>Energy &amp; Fuels</i> , 2016, 30, 4933-4944.	5.1	33
10	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
11	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
12	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
13	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
14	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
15	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
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	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
18	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

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Journal of Materials Science: Materials in Electronics, 2001, 12, 637-643.	2.2	8
20	Strontium Zirconate and Strontium Titanate Ceramics for High Voltage Applications: Synthesis, Processing, and Dielectric Properties. Journal of the American Ceramic Society, 2001, 84, 1648-1650.	3.8	90
21	Subcritical Aqueous-Phase Oxidation Kinetics of Acrylic, Maleic, Fumaric, and Muconic Acids. Industrial & Engineering Chemistry Research, 2000, 39, 40-47.	3.7	41
22	Kinetics of Wet Oxidation of Propionic and 3-Hydroxypropionic Acids. Industrial & Engineering Chemistry Research, 1999, 38, 2557-2563.	3.7	26
23	Kinetics of Wet Oxidation of Formic Acid and Acetic Acid. Industrial & Engineering Chemistry Research, 1997, 36, 4809-4814.	3.7	71
24	Kinetics of Wet Air Oxidation of Glyoxalic Acid and Oxalic Acid. Industrial & Engineering Chemistry Research, 1994, 33, 3125-3130.	3.7	89