

# Sathyamoorthi Sethuraman

List of Publications by Year  
in descending order

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19  
papers

529  
citations

840776  
11  
h-index

794594  
19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

879  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidating the unexpected electrocatalytic activity of nanoscale PdO layers on Pd electrocatalysts towards ethanol oxidation in a basic solution. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1118-1125.	4.9	22
2	Influence of structures and functional groups of carbon on working potentials of supercapacitors in neutral aqueous electrolyte: In situ differential electrochemical mass spectrometry. <i>Journal of Energy Storage</i> , 2020, 29, 101379.	8.1	13
3	Turning carbon-ZnMn <sub>2</sub> O <sub>4</sub> powder in primary battery waste to be an effective active material for long cycling life supercapacitors: In situ gas analysis. <i>Waste Management</i> , 2020, 109, 202-211.	7.4	22
4	High-rate aqueous/ionic liquid dual electrolyte supercapacitor using 3D graphene sponge with an ultrahigh pore volume. <i>Electrochimica Acta</i> , 2019, 327, 135014.	5.2	14
5	In situ mass change and gas analysis of 3D manganese oxide/graphene aerogel for supercapacitors. <i>RSC Advances</i> , 2019, 9, 28569-28575.	3.6	18
6	Effect of intercalated alkali ions in layered manganese oxide nanosheets as neutral electrochemical capacitors. <i>Chemical Communications</i> , 2019, 55, 1213-1216.	4.1	32
7	High cell-potential and high-rate neutral aqueous supercapacitors using activated biocarbon: In situ electrochemical gas chromatography. <i>Electrochimica Acta</i> , 2019, 313, 31-40.	5.2	9
8	A simple and practical hybrid ionic liquid/aqueous dual electrolyte configuration for safe and ion-exchange membrane-free high cell potential supercapacitor. <i>Electrochimica Acta</i> , 2019, 305, 443-451.	5.2	10
9	Environmentally benign non-fluoro deep eutectic solvent and free-standing rice husk-derived bio-carbon based high-temperature supercapacitors. <i>Electrochimica Acta</i> , 2018, 286, 148-157.	5.2	32
10	Porous carbon as a quasi-reference electrode in aqueous electrolytes. <i>Electrochimica Acta</i> , 2016, 222, 1800-1805.	5.2	31
11	Tin/vanadium redox electrolyte for battery-like energy storage capacity combined with supercapacitor-like power handling. <i>Energy and Environmental Science</i> , 2016, 9, 3392-3398.	30.8	121
12	Ethyl viologen dibromide as a novel dual redox shuttle for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4562-4569.	10.3	69
13	Organo-redox shuttle promoted protic ionic liquid electrolyte for supercapacitor. <i>Journal of Power Sources</i> , 2015, 274, 1135-1139.	7.8	89
14	Electrochemical exfoliation and in situ carboxylic functionalization of graphite in non-fluoro ionic liquid for supercapacitor application. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2789-2796.	2.5	11
15	Electrodeposition of nickel on boron-doped diamond from an air-stable methyl sulphate anion based ionic liquid. <i>Electrochimica Acta</i> , 2013, 98, 88-93.	5.2	9
16	Influence of triethylamine on the anodic dissolution characteristics of Ni, Cu and their alloys in non-aqueous solvents containing fluoride media: voltammetric and surface morphologic study. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 595-606.	2.9	2
17	Voltammetric investigations on the relative deactivation of boron-doped diamond, glassy carbon and platinum electrodes during the anodic oxidation of substituted phenols in room temperature ionic liquids. <i>Electrochimica Acta</i> , 2012, 69, 71-78.	5.2	12
18	Voltammetric investigations on the transition between dissolution, passivation and deposition characteristics of Ni, Cu and their alloys in fluorine based ionic liquid. <i>Electrochimica Acta</i> , 2011, 56, 7012-7021.	5.2	5

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19	Products formed at intermediate stages of electrochemical perfluorination of propionyl and n-butyryl chlorides. Further evidence in support of NiF <sub>3</sub> mediated free radical pathway. Journal of Fluorine Chemistry, 2011, 132, 107-113.	1.7	8