Gopinathan M Anilkumar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12150475/publications.pdf

Version: 2024-02-01

33	1,385	361413	395702
papers	citations	20 h-index	33 g-index

33	33	33	1994
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Void-size-matched hierarchical 3D titania flowers in porous carbon as an electrode for high-density supercapacitive charge storage. Journal of Alloys and Compounds, 2021, 858, 157649.	5.5	14
2	An enhanced electrochemical CO₂ reduction reaction on the SnO_xâ€“PdO surface of SnPd nanoparticles decorated on N-doped carbon fibers. Catalysis Science and Technology, 2021, 11, 143-151.	4.1	16
3	Dual Hybrid Energy Storage Device with a Batteryâ€“Electrochemical Capacitor Hybrid Cathode and a Battery-Type Anode. Energy & Fuels, 2021, 35, 13438-13448.	5.1	5
4	Tuning Palladium Nickel Phosphide toward Efficient Oxygen Evolution Performance. ACS Applied Energy Materials, 2020, 3, 879-888.	5.1	21
5	Void Space Control in Porous Carbon for High-Density Supercapacitive Charge Storage. Energy & Fuels, 2020, 34, 5072-5083.	5.1	52
6	Template assisted synthesis of Ni,N co-doped porous carbon from Ni incorporated ZIF-8 frameworks for electrocatalytic oxygen reduction reaction. New Journal of Chemistry, 2020, 44, 12343-12354.	2.8	15
7	Binary Pdâ€“Ni Nanoalloy Particles over Carbon Support with Superior Alkaline Formate Fuel Electrooxidation Performance. ChemCatChem, 2019, 11, 4731-4737.	3.7	29
8	Electro-oxidation competency of palladium nanocatalysts over ceriaâ€“carbon composite supports during alkaline ethylene glycol oxidation. Catalysis Science and Technology, 2019, 9, 493-501.	4.1	28
9	Melamine formaldehydeâ€“metal organic gel interpenetrating polymer network derived intrinsic Feâ€“N-doped porous graphitic carbon electrocatalysts for oxygen reduction reaction. New Journal of Chemistry, 2018, 42, 18690-18701.	2.8	19
10	Energy-Efficient Templating Method for the Industrial Production of Porous Carbon Particles by a Spray Pyrolysis Process Using Poly(methyl methacrylate). Industrial & Engineering Chemistry Research, 2018, 57, 11335-11341.	3.7	16
11	Cobalt-Modified Palladium Bimetallic Catalyst: A Multifunctional Electrocatalyst with Enhanced Efficiency and Stability toward the Oxidation of Ethanol and Formate in Alkaline Medium. ACS Applied Energy Materials, 2018, 1, 4140-4149.	5.1	67
12	Morphological Ensembles of Nâ€Doped Porous Carbon Derived from ZIFâ€8/Feâ€Graphene Nanocomposites: Processing and Electrocatalytic Studies. ChemistrySelect, 2018, 3, 8688-8697.	1.5	8
13	One-Dimensional Assembly of Conductive and Capacitive Metal Oxide Electrodes for High-Performance Asymmetric Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 10730-10742.	8.0	88
14	Direct synthesis of a carbon nanotube interpenetrated doped porous carbon alloy as a durable Pt-free electrocatalyst for the oxygen reduction reaction in an alkaline medium. Sustainable Energy and Fuels, 2017, 1, 1524-1532.	4.9	16
15	Chitosan Intercalated Metal Organic Gel as a Green Precursor of Fe Entrenched and Fe Distributed N-Doped Mesoporous Graphitic Carbon for Oxygen Reduction Reaction. ChemistrySelect, 2017, 2, 8762-8770.	1.5	12
16	Morphologyâ€dependent electrocatalytic activity of nanostructured Pt/C particles from hybrid aerosolâ€“colloid process. AIChE Journal, 2016, 62, 440-450.	3.6	21
17	Graphene Oxide Sheathed ZIF-8 Microcrystals: Engineered Precursors of Nitrogen-Doped Porous Carbon for Efficient Oxygen Reduction Reaction (ORR) Electrocatalysis. ACS Applied Materials & Interfaces, 2016, 8, 29373-29382.	8.0	139
18	Aniosotropically Organized LDH on PVDF: A Geometrically Templated Electrospun Substrate for Advanced Anion Conducting Membranes. ACS Applied Materials & Interfaces, 2015, 7, 6397-6401.	8.0	28

#	Article	IF	Citations
19	Morphology control of hierarchical porous carbon particles from phenolic resin and polystyrene latex template via aerosol process. Carbon, 2015, 84, 281-289.	10.3	47
20	Mgâ€“Al layered double hydroxides: a correlation between synthesis-structure and ionic conductivity. RSC Advances, 2014, 4, 41051-41058.	3.6	22
21	Aerosol Synthesis of Self-Organized Nanostructured Hollow and Porous Carbon Particles Using a Dual Polymer System. Langmuir, 2014, 30, 11257-11262.	3.5	33
22	Ultrahigh oxygen reduction activity of Pt/nitrogen-doped porous carbon microspheres prepared via spray-drying. Journal of Power Sources, 2013, 229, 58-64.	7.8	31
23	In situ growth of Pt nanoparticles on electrospun SnO2 fibers for anode electrocatalyst application. Materials Letters, 2013, 105, 202-205.	2.6	9
24	Zn2+ substitution effects in layered double hydroxide (Mg(1â^'x)Znx)2Al: textural properties, water content and ionic conductivity. Journal of Materials Chemistry A, 2013, 1, 13348.	10.3	20
25	Electrospun Pt/SnO2 nanofibers as an excellent electrocatalysts for hydrogen oxidation reaction with ORR-blocking characteristic. Catalysis Communications, 2013, 33, 11-14.	3.3	33
26	Mgâ€“Al layered double hydroxides containing glycine betaine as low humidity-dependent anion conducting electrolyte material for Solid State Alkaline Fuel Cell (SAFC). Journal of Power Sources, 2013, 230, 225-229.	7.8	26
27	Self-Organized Macroporous Carbon Structure Derived from Phenolic Resin via Spray Pyrolysis for High-Performance Electrocatalyst. ACS Applied Materials & Interfaces, 2013, 5, 11944-11950.	8.0	38
28	Nanostructured design of electrocatalyst support materials for high-performance PEM fuel cell application. Journal of Power Sources, 2012, 203, 26-33.	7.8	39
29	Proton conducting phosphated zirconiaâ€“sulfonated polyether sulfone nanohybrid electrolyte for low humidity, wide-temperature PEMFC operation. Electrochemistry Communications, 2006, 8, 133-136.	4.7	55
30	Formation of nanoporous and nanocrystalline anatase films by pyrolysis of PEOâ€“TiO2 hybrid films. Journal of Crystal Growth, 2006, 286, 173-177.	1.5	10
31	Transformation of highly ordered large pore silica mesophases (Fm3m, Im3m and p6mm) in a ternary triblock copolymerâ€“butanolâ€“water system. Chemical Communications, 2004, , 1536-1537.	4.1	109
32	Large Cage Face-Centered-CubicFm3mMesoporous Silica:Â Synthesis and Structure. Journal of Physical Chemistry B, 2003, 107, 14296-14300.	2.6	296
33	Influence of nanoparticle seeding on the phase formation kinetics of sol-gel-derived Sr_{0.7}Bi_{2.4}Ta₂O₉thin films. Journal of Materials Research, 2003, 18, 387-395.	2.6	23