

Parthasarathi Bandyopadhyay

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4338493/publications.pdf>

Version: 2024-02-01

31
papers

1,072
citations

331538

21
h-index

434063

31
g-index

31
all docs

31
docs citations

31
times ranked

1196
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic framework-derived (Mn-1)Co _x Sy@(Ni-Cu)OHs marigold flower-like core@shell as cathode and (Mn-Fe ₁₀)S _x @graphene foam as anode materials for ultra-high energy-density asymmetric supercapacitor. <i>Materials Today Chemistry</i> , 2022, 23, 100758.	1.7	8
2	Facile In Situ Synthesis of Co(OH) ₂ -Ni ₃ S ₂ Nanowires on Ni Foam for Use in High-Energy-Density Supercapacitors. <i>Nanomaterials</i> , 2022, 12, 34.	1.9	5
3	Rationally designed hierarchical tree-like Fe-Co-P@Ni(OH) ₂ hybrid nanoarrays for high energy density asymmetric supercapacitors. <i>Applied Surface Science</i> , 2022, 588, 152857.	3.1	17
4	Fabrication of hierarchical Zn-Ni-Co-S nanowire arrays and graphitic carbon nitride/graphene for solid-state asymmetric supercapacitors. <i>Applied Surface Science</i> , 2021, 542, 148564.	3.1	35
5	Two-dimensional materials modified layered double hydroxides: A series of fillers for improving gas barrier and permselectivity of poly(vinyl alcohol). <i>Composites Part B: Engineering</i> , 2021, 207, 108568.	5.9	32
6	Development of hierarchically structured nanosheet arrays of CuMnO ₂ -Mn _x O _y @graphene foam as a nanohybrid electrode material for high-performance asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2021, 858, 158343.	2.8	21
7	Dual-ligand modulation approach for improving supercapacitive performance of hierarchical zinc-nickel-iron phosphide nanosheet-based electrode. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 99, 299-308.	2.9	22
8	Cathode of Zn-Ni Layered Double Hydroxide Nanosheet Arrays Wrapped with a Porous NiMoS ₂ Shell and Anode of 3D Hierarchical Nitrogen-Doped Carbon for High-Performance Asymmetric Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 9166-9177.	2.5	15
9	Hierarchical MCo ₂ O ₄ @Ni(OH) ₂ (M=Zn or Mn) core@shell architectures as electrode materials for asymmetric solid-state supercapacitors. <i>Journal of Energy Storage</i> , 2021, 44, 103345.	3.9	8
10	Zinc-nickel-cobalt oxide@NiMoO ₄ core-shell nanowire/nanosheet arrays for solid state asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2020, 384, 123357.	6.6	133
11	Zn-Ni ₇ S ₆ Nanosheet Arrays Wrapped with Nanopetals of Ni(OH) ₂ as a Novel Core-Shell Electrode Material for Asymmetric Supercapacitors with High Energy Density and Cycling Stability Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47377-47388.	4.0	49
12	Enhanced gas barrier and anticorrosion performance of boric acid induced cross-linked poly(vinyl) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50	5.4	50
13	Fabrication of functionalized graphene oxide/maleic anhydride grafted polypropylene composite film with excellent gas barrier and anticorrosion properties. <i>Journal of Membrane Science</i> , 2018, 547, 80-92.	4.1	74
14	Facile synthesis of 4,4'-diaminostilbene-2,2'-disulfonic-acid-grafted reduced graphene oxide and its application as a high-performance asymmetric supercapacitor. <i>Chemical Engineering Journal</i> , 2018, 333, 170-184.	6.6	23
15	Novel hydroxylated boron nitride functionalized <i>p</i> -phenylenediamine-grafted graphene: an excellent filler for enhancing the barrier properties of polyurethane. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21501-21515.	5.2	53
16	Graphitic carbon nitride modified graphene/Ni Al layered double hydroxide and 3D functionalized graphene for solid-state asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 353, 824-838.	6.6	59
17	Enhanced physical properties of two dimensional MoS ₂ /poly(vinyl alcohol) nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 110, 284-293.	3.8	35
18	Effects of grafting methods for functionalization of graphene oxide by dodecylamine on the physical properties of its polyurethane nanocomposites. <i>Journal of Membrane Science</i> , 2017, 540, 108-119.	4.1	38

#	ARTICLE	IF	CITATIONS
19	Surface modified graphene oxide/poly(vinyl alcohol) composite for enhanced hydrogen gas barrier film. <i>Polymer Testing</i> , 2016, 50, 49-56.	2.3	52
20	Hexylamine functionalized reduced graphene oxide/polyurethane nanocomposite-coated nylon for enhanced hydrogen gas barrier film. <i>Journal of Membrane Science</i> , 2016, 500, 106-114.	4.1	77
21	Spiro[fluorene-9,9'-xanthene] containing fluorinated poly(ether amide)s: Synthesis, characterization and gas transport properties. <i>European Polymer Journal</i> , 2015, 69, 140-155.	2.6	18
22	Effect of bulky groups on gas transport properties of semifluorinated poly(ether amide)s containing pyridine moiety. <i>European Polymer Journal</i> , 2015, 66, 419-428.	2.6	21
23	Highly gas permeable aromatic polyamides containing adamantane substituted triphenylamine. <i>Journal of Membrane Science</i> , 2015, 474, 20-31.	4.1	55
24	Synthesis, Characterization and Gas Transport Properties of Polyamide-Tethered Polyhedral Oligomeric Silsesquioxane (POSS) Nanocomposites. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 18273-18282.	1.8	16
25	Proton exchange properties of flexible diamine-based new fluorinated sulfonated polyimides. <i>RSC Advances</i> , 2014, 4, 11848.	1.7	24
26	Gas transport properties of aromatic polyamides containing adamantyl moiety. <i>Journal of Membrane Science</i> , 2014, 453, 175-191.	4.1	46
27	Synthesis, characterization and gas transport properties of cardo bis(phenylphenyl)fluorene based semifluorinated poly(ether amide)s. <i>RSC Advances</i> , 2014, 4, 28078.	1.7	25
28	Effect of introduction of cardo cyclohexylidene moiety on gas transport properties of fluorinated poly(arylene ether)s. <i>European Polymer Journal</i> , 2014, 52, 207-217.	2.6	16
29	Synthesis and characterization of new aromatic poly(ether imide)s and their gas transport properties. <i>European Polymer Journal</i> , 2013, 49, 4212-4223.	2.6	24
30	New Semifluorinated Aromatic Copoly(etheramide)s Containing Heterocyclic Moiety and a Comparative Study of Gas Transport Properties with the Homopolymers. <i>Advanced Science, Engineering and Medicine</i> , 2013, 5, 815-826.	0.3	3
31	Semifluorinated, organo-soluble new aromatic poly(ether amide)s: Synthesis, characterization and gas transport properties. <i>Journal of Membrane Science</i> , 2011, 382, 20-29.	4.1	18