Sankaran Jayaleksmi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9007218/publications.pdf

Version: 2024-02-01

44	914	471061 17	476904 29
papers	citations	h-index	g-index

44	44	44	1351
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Studies on dodecylbenzenesulfonic acid doped polypyrrole/graphene nanocomposite films grown by spin coating and electro-spraying. Polymer Bulletin, 2022, 79, 11235-11257.	1.7	2
2	Light emitting, segmented block copolymers containing distyrylbenzene blocks connected through Î±,Ï‰-nonamethylenedioxy chain spacer for applications in polymer light emitting diodes. Dyes and Pigments, 2021, 184, 108729.	2.0	1
3	On the improvement of the electrochemical behaviour of lithium-substituted polypyrrole for applications in Li-ion cells. Ionics, 2021, 27, 1733-1742.	1.2	1
4	Sulfur/polypyrrole composite cathodes for applications in high energy density lithiumâ€“sulfur cells. Journal of Materials Science: Materials in Electronics, 2020, 31, 13926-13938.	1.1	3
5	Green chemistry route to realize, high quantum yield carbon quantum dots for cellular imaging applications. Materials Research Express, 2019, 6, 075025.	0.8	10
6	Solid-state supercapacitor with impressive performance characteristics, assembled using redox-mediated gel polymer electrolyte. Journal of Solid State Electrochemistry, 2019, 23, 3343-3353.	1.2	28
7	Biomass-derived, activated carbon-sulfur composite cathode with a bifunctional interlayer of functionalized carbon nanotubes for lithium-sulfur cells. Journal of Colloid and Interface Science, 2019, 535, 287-299.	5.0	40
8	Acid Washed, Steam Activated, Coconut Shell Derived Carbon for High Power Supercapacitor Applications. Journal of the Electrochemical Society, 2018, 165, A900-A909.	1.3	49
9	On the absorption dominated EMI shielding effects in free standing and flexible films of poly(vinylidene fluoride)/graphene nanocomposite. European Polymer Journal, 2018, 99, 437-444.	2.6	51
10	Lithium-enriched polypyrrole as a prospective cathode material for Li-ion cells. Ionics, 2018, 24, 2565-2574.	1.2	5
11	Investigation on the pHâ€independent photoluminescence emission from carbon dots impregnated on polymer matrix. Luminescence, 2018, 33, 22-28.	1.5	16
12	Poly (ethylene oxide) (PEO)-based, sodium ion-conductingâ€š solid polymer electrolyte films, dispersed with Al2O3 filler, for applications in sodium ion cells. Ionics, 2018, 24, 1675-1683.	1.2	49
13	Doped polypyrrole with good solubility and film forming properties suitable for device applications. Materials Today: Proceedings, 2018, 5, 21140-21146.	0.9	10
14	Polyethylene oxide (PEO) / polyvinyl alcohol (PVA) complexed with lithium perchlorate (LiClO4) as a prospective material for making solid polymer electrolyte films. Materials Today: Proceedings, 2018, 5, 21189-21194.	0.9	21
15	Sulfur-polyaniline coated mesoporous carbon composite in combination with carbon nanotubes interlayer as a superior cathode assembly for high capacity lithium-sulfur cells. Applied Surface Science, 2018, 458, 751-761.	3.1	24
16	Poly(ethylene oxide) (PEO) â€“ Poly(vinyl pyrrolidone) (PVP) blend polymer based solid electrolyte membranes for developing solid state magnesium ion cells. European Polymer Journal, 2017, 89, 249-262.	2.6	134
17	White light emission and excellent UV shielding observed in free-standing and flexible films of poly(vinylidene fluoride)/zinc oxide nanocomposite. Materials Letters, 2017, 200, 125-127.	1.3	12
18	Blue green fluorescence from freestanding films of PVDF/ZnS:Cu Nanocomposites. Materials Today: Proceedings, 2017, 4, 4380-4388.	0.9	5

#	Article	IF	Citations
19	Polyanilineâ€“Graphene Oxide based ordered nanocomposite electrodes for high-performance supercapacitor applications. Journal of Materials Science: Materials in Electronics, 2017, 28, 14323-14330.	1.1	24
20	Mn 3 O 4 /reduced graphene oxide nanocomposite electrodes with tailored morphology for high power supercapacitor applications. Electrochimica Acta, 2017, 236, 424-433.	2.6	57
21	Impressive nonlinear optical response exhibited by Poly(vinylidene fluoride) (PVDF)/reduced graphene oxide (RGO) nanocomposite films. Optics and Laser Technology, 2017, 97, 77-83.	2.2	33
22	Semiconducting thienyleneâ€“biphenylenevinylene hybrid polymers: Synthesis, characterization and application prospects in polymer LEDs. Dyes and Pigments, 2016, 126, 303-312.	2.0	4
23	Lithium-doped PEOâ€”a prospective solid electrolyte with high ionic conductivity, developed using n-Butyllithium in hexane as dopant. Ionics, 2015, 21, 2185-2191.	1.2	13
24	Lithium doped polyaniline and its composites with LiFePO₄ and LiMn₂O₄-prospective cathode active materials for environment friendly and flexible Li-ion battery applications. RSC Advances, 2015, 5, 69220-69228.	1.7	22
25	Cytotoxicity and cellular uptake of ZnS:Mn nanocrystals biofunctionalized with chitosan and aminoacids. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 327-333.	2.0	8
26	L-serine capped ZnS:Mn nanocrystals for plant cell biological studies and as a growth enhancing agent for micropropagation of Bacopa monnieri Linn. (Brahmi:Scrophulariaceae). , 2014, , .		1
27	Highly luminescent and biocompatible, <scp>l</scp>â€citrullineâ€capped ZnS:Mn nanocrystals for rapid screening of metal accumulating Lysinibacillus fusiformis bacteria. Luminescence, 2013, 28, 461-467.	1.5	1
28	Enhanced linear and nonlinear optical properties of thermally stable ZnO/poly(styrene)â€“poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	30
29	<scp>L</scp>-Histidine-modified biocompatible zinc oxide nanocrystals. Journal of Experimental Nanoscience, 2013, 8, 937-946.	1.3	10
30	Size dependent nonlinear optical properties of spin coated zinc oxide-polystyrene nanocomposite films. Optics Communications, 2012, 285, 5433-5439.	1.0	36
31	On the structural and optical properties of goldâ€“polyaniline nanocomposite synthesized via a novel route. Polymer International, 2012, 61, 1733-1738.	1.6	13
32	Quantum confinement effects in highly conducting, ultrathin polyaniline films pursued through spectroscopic investigations. Journal of Luminescence, 2012, 132, 801-805.	1.5	9
33	Thermal diffusivity measurements in PANI and PANI-MWNT composites using photo acoustic technique. Transactions of the Indian Institute of Metals, 2011, 64, 133-136.	0.7	7
34	Studies on the thermal, optical and dielectric properties of a new nonlinear optical crystal â€” L-citrulline oxalate grown by slow evaporation technique. Transactions of the Indian Institute of Metals, 2011, 64, 205-208.	0.7	4
35	Enhanced photoluminescence in oleic acid modified polyaniline. Transactions of the Indian Institute of Metals, 2011, 64, 209-212.	0.7	7
36	Investigations on the nonlinear optical properties of glycinium oxalate single crystals. Optoelectronics Letters, 2011, 7, 136-138.	0.4	6

#	Article	IF	Citations
37	Sizeâ€dependent optical properties of transparent, spinâ€coated polystyrene/ZnO nanocomposite films. Polymer International, 2011, 60, 1263-1268.	1.6	30
38	On the interesting optical properties of highly transparent, thermally stable, spinâ€coated polystyrene/zinc oxide nanocomposite films. Journal of Applied Polymer Science, 2011, 120, 1361-1366.	1.3	28
39	Investigations on the growth and characterization of l-citrulline oxalate monohydrate single crystal. Journal of Crystal Growth, 2011, 324, 172-176.	0.7	11
40	On the prospects of polyaniline and polyaniline/MWNT composites for possible pressure sensing applications. Journal of Applied Polymer Science, 2010, 117, 138-142.	1.3	10
41	Evidence of Jahnâ€“Teller distortion in LixMn2O4 by thermal diffusivity measurements. Applied Physics A: Materials Science and Processing, 2008, 90, 437-440.	1.1	12
42	p-AgCoO2/n-ZnO heterojunction diode grown by rf magnetron sputtering. Bulletin of Materials Science, 2008, 31, 753-758.	0.8	17
43	Polyaniline doped with orthophosphoric acidâ€”A material with prospects for optoelectronic applications. Journal of Alloys and Compounds, 2008, 458, 532-535.	2.8	56
44	Effect of lithium concentration on the thermal and optical properties ofLixMn2O4by photoacoustic measurements. Physical Review B, 2007, 76, .	1.1	4