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	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
2	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
3	Polyaniline doped with orthophosphoric acidâ€"A material with prospects for optoelectronic applications. Journal of Alloys and Compounds, 2008, 458, 532-535.	2.8	56
4	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
5	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
6	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
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	Size dependent nonlinear optical properties of spin coated zinc oxide-polystyrene nanocomposite films. Optics Communications, 2012, 285, 5433-5439.	1.0	36
9	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
10	Sizeâ€dependent optical properties of transparent, spinâ€coated polystyrene/ZnO nanocomposite films. Polymer International, 2011, 60, 1263-1268.	1.6	30
11	Enhanced linear and nonlinear optical properties of thermally stable ZnO/poly(styrene)â€“poly(methyl) Tj ETQq1 1 0.784314 rgBT /Over	0.8	30
12	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
13	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
14	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
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	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
17	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
18	p-AgCoO2/n-ZnO heterojunction diode grown by rf magnetron sputtering. Bulletin of Materials Science, 2008, 31, 753-758.	0.8	17

#	Article	IF	Citations
19	Investigation on the pHâ€independent photoluminescence emission from carbon dots impregnated on polymer matrix. Luminescence, 2018, 33, 22-28.	1.5	16
20	On the structural and optical properties of goldâ€“polyaniline nanocomposite synthesized via a novel route. Polymer International, 2012, 61, 1733-1738.	1.6	13
21	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
22	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
23	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
24	Investigations on the growth and characterization of l-citrulline oxalate monohydrate single crystal. Journal of Crystal Growth, 2011, 324, 172-176.	0.7	11
25	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
26	<scp>L</scp>-Histidine-modified biocompatible zinc oxide nanocrystals. Journal of Experimental Nanoscience, 2013, 8, 937-946.	1.3	10
27	Doped polypyrrole with good solubility and film forming properties suitable for device applications. Materials Today: Proceedings, 2018, 5, 21140-21146.	0.9	10
28	Green chemistry route to realize, high quantum yield carbon quantum dots for cellular imaging applications. Materials Research Express, 2019, 6, 075025.	0.8	10
29	Quantum confinement effects in highly conducting, ultrathin polyaniline films pursued through spectroscopic investigations. Journal of Luminescence, 2012, 132, 801-805.	1.5	9
30	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
31	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
32	Enhanced photoluminescence in oleic acid modified polyaniline. Transactions of the Indian Institute of Metals, 2011, 64, 209-212.	0.7	7
33	Investigations on the nonlinear optical properties of glycinium oxalate single crystals. Optoelectronics Letters, 2011, 7, 136-138.	0.4	6
34	Blue green fluorescence from freestanding films of PVDF/ZnS:Cu Nanocomposites. Materials Today: Proceedings, 2017, 4, 4380-4388.	0.9	5
35	Lithium-enriched polypyrrole as a prospective cathode material for Li-ion cells. Ionics, 2018, 24, 2565-2574.	1.2	5
36	Effect of lithium concentration on the thermal and optical properties ofLixMn2O4by photoacoustic measurements. Physical Review B, 2007, 76, .	1.1	4

#	Article	IF	Citations
37	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
38	Semiconducting thienyleneâ€"biphenylenevinylene hybrid polymers: Synthesis, characterization and application prospects in polymer LEDs. Dyes and Pigments, 2016, 126, 303-312.	2.0	4
39	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
40	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
41	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
42	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
43	Light emitting, segmented block copolymers containing distyrylbenzene blocks connected through Î±,l‰-nonamethylenedioxy chain spacer for applications in polymer light emitting diodes. Dyes and Pigments, 2021, 184, 108729.	2.0	1
44	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