

Prakash R Somani

List of Publications by Year in descending order

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24
papers

1,455
citations

623188

14
h-index

610482

24
g-index

24
all docs

24
docs citations

24
times ranked

2001
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochromic materials and devices: present and future. <i>Materials Chemistry and Physics</i> , 2003, 77, 117-133.	2.0	727
2	High piezoresistivity and its origin in conducting polyaniline/TiO ₂ composites. <i>Synthetic Metals</i> , 1999, 106, 45-52.	2.1	137
3	Synthesis, characterization and charge transport mechanism in conducting polyaniline/V ₂ O ₅ composites. <i>Polymer</i> , 2001, 42, 2991-3001.	1.8	79
4	Thermal degradation properties of solid polymer electrolyte (poly(vinyl alcohol)+phosphoric) Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 622 T	2.7	76
5	Toward organic thick film solar cells: Three dimensional bulk heterojunction organic thick film solar cell using fullerene single crystal nanorods. <i>Applied Physics Letters</i> , 2007, 91, 173503.	1.5	62
6	Charge transfer complex-forming dyes incorporated in solid polymer electrolyte for optical humidity sensing. <i>Sensors and Actuators B: Chemical</i> , 2001, 80, 141-148.	4.0	55
7	Application of metal nanoparticles decorated carbon nanotubes in photovoltaics. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	44
8	Improving photovoltaic response of poly(3-hexylthiophene)/n-Si heterojunction by incorporating double walled carbon nanotubes. <i>Applied Physics Letters</i> , 2006, 89, 223505.	1.5	41
9	Carbon nanofibers and multiwalled carbon nanotubes from camphor and their field electron emission. <i>Current Applied Physics</i> , 2009, 9, 144-150.	1.1	40
10	Carbon nanotube incorporation: A new route to improve the performance of organic-inorganic heterojunction solar cells. <i>Diamond and Related Materials</i> , 2008, 17, 585-588.	1.8	34
11	Improving the photovoltaic response of a poly(3-octylthiophene)/n-Si heterojunction by incorporating double-walled carbon nanotubes. <i>Nanotechnology</i> , 2007, 18, 185708.	1.3	28
12	Platinum and Ruthenium nanoparticles decorated multi walled carbon nanotubes as electrodes for polymer electrolyte membrane fuel cells. <i>Diamond and Related Materials</i> , 2009, 18, 497-500.	1.8	26
13	Field electron emission of double walled carbon nanotube film prepared by drop casting method. <i>Solid-State Electronics</i> , 2007, 51, 788-792.	0.8	19
14	Sensitization effect in doped and undoped state of polypyrrole by methylene blue in solid state electrochemical cells. <i>Chemical Physics Letters</i> , 2003, 379, 401-405.	1.2	16
15	Sensitization effect in conducting polyaniline by rhodamine 6G. <i>Journal of Materials Science: Materials in Electronics</i> , 2002, 13, 735-741.	1.1	12
16	Nanostructured hydrogenated amorphous carbon films doped with nitrogen on p-silicon. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1982-1991.	0.8	11
17	Carbon nanocapsules encapsulating cobalt nanoparticles by pulsed discharge plasma chemical vapor deposition. <i>Diamond and Related Materials</i> , 2008, 17, 576-580.	1.8	11
18	Double-Walled Carbon Nanotubes-Incorporated Donor-Acceptor-Type Organic Photovoltaic Devices Using Poly(3-octylthiophene) and C ₆₀ . <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1219-1222.	0.8	11

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19	Solid state electrochemical reaction in photocells made using conducting polyaniline and sensitized with methylene blue. <i>Journal of Solid State Electrochemistry</i> , 2003, 7, 166-170.	1.2	9
20	Field electron emission of multiwalled carbon nanotubes and carbon nanofibers grown from Camphor. <i>Solid-State Electronics</i> , 2008, 52, 941-945.	0.8	8
21	Concept and demonstration of all organic Gratzel solar cell (dye sensitized solar cell). <i>Applied Physics Letters</i> , 2006, 89, 083501.	1.5	5
22	Vertically self-aligned conical carbon nanofibers by pulsed discharge plasma chemical vapour deposition and its field electron emission. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 3096-3101.	0.8	2
23	Nitrogen-induced nanostructure formation in hydrogenated amorphous carbon films doped with nitrogen. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 709-713.	1.3	1
24	Photocurrent injection effect in hydrogenated amorphous carbon doped with nitrogen/p-silicon heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2783-2786.	1.3	1