

Prakash R Somani

List of Publications by Year in descending order

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Version: 2024-02-01

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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Photocarrier injection effect in hydrogenerated amorphous carbon doped with nitrogen/p-silicon heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2783-2786. | 1.3 | 1 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Double-Walled Carbon Nanotubes-Incorporated Donor-Acceptor-Type Organic Photovoltaic Devices Using Poly(3-octylthiophene) and C60. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1219-1222. | 0.8 | 11 |
| 9 | Application of metal nanoparticles decorated carbon nanotubes in photovoltaics. <i>Applied Physics Letters</i> , 2008, 93, . | 1.5 | 44 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 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 | 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 |
| 15 | 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 |
| 16 | Concept and demonstration of all organic Gratzel solar cell (dye sensitized solar cell). <i>Applied Physics Letters</i> , 2006, 89, 083501. | 1.5 | 5 |
| 17 | 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 |
| 18 | Electrochromic materials and devices: present and future. <i>Materials Chemistry and Physics</i> , 2003, 77, 117-133. | 2.0 | 727 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Sensitization effect in doped and undoped state of polypyrrole by methylene blue in solid state electrochemical cells. Chemical Physics Letters, 2003, 379, 401-405. | 1.2 | 16 |
| 20 | Thermal degradation properties of solid polymer electrolyte (poly(vinyl alcohol)+phosphoric) Tj ETQq0 0 0 rgBT /Overclock 10 Jf 50 702 T | 2.7 | 76 |
| 21 | Sensitization effect in conducting polyaniline by rhodamine 6G. Journal of Materials Science: Materials in Electronics, 2002, 13, 735-741. | 1.1 | 12 |
| 22 | Synthesis, characterization and charge transport mechanism in conducting polyaniline/V 2 O 5 composites. Polymer, 2001, 42, 2991-3001. | 1.8 | 79 |
| 23 | Charge transfer complex-forming dyes incorporated in solid polymer electrolyte for optical humidity sensing. Sensors and Actuators B: Chemical, 2001, 80, 141-148. | 4.0 | 55 |
| 24 | High piezoresistivity and its origin in conducting polyaniline/TiO2 composites. Synthetic Metals, 1999, 106, 45-52. | 2.1 | 137 |