

Gehan A J Amaratunga

List of Publications by Year in descending order

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175
papers

11,239
citations

47006

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30087

103
g-index

175
all docs

175
docs citations

175
times ranked

13956
citing authors

#	ARTICLE	IF	CITATIONS
1	Superhydrophobic Carbon Nanotube Forests. Nano Letters, 2003, 3, 1701-1705.	9.1	1,527
2	Full-colour quantum dot displays fabricated by transfer printing. Nature Photonics, 2011, 5, 176-182.	31.4	997
3	Thin films of fullerene-like MoS ₂ nanoparticles with ultra-low friction and wear. Nature, 2000, 407, 164-167.	27.8	798
4	Low-threshold cold cathodes made of nitrogen-doped chemical-vapour-deposited diamond. Nature, 1996, 381, 140-141.	27.8	539
5	Nitrogen containing hydrogenated amorphous carbon for thin-film field emission cathodes. Applied Physics Letters, 1996, 68, 2529-2531.	3.3	478
6	Carbon nanotubes as cold cathodes. Nature, 2005, 437, 968-968.	27.8	407
7	Urea-Hydroxyapatite Nanohybrids for Slow Release of Nitrogen. ACS Nano, 2017, 11, 1214-1221.	14.6	395
8	Silicon surface tunnel transistor. Applied Physics Letters, 1995, 67, 494-496.	3.3	321
9	Field emission from graphene based composite thin films. Applied Physics Letters, 2008, 93, .	3.3	258
10	Long-Lifetime Power Inverter for Photovoltaic AC Modules. IEEE Transactions on Industrial Electronics, 2008, 55, 2593-2601.	7.9	214
11	Achieving High-Current Carbon Nanotube Emitters. Nano Letters, 2005, 5, 2135-2138.	9.1	199
12	Ensemble deep learning for regression and time series forecasting. , 2014, , .		182
13	Temperature selective growth of carbon nanotubes by chemical vapor deposition. Journal of Applied Physics, 2002, 92, 3299-3303.	2.5	178
14	Nanoscale memory cell based on a nanoelectromechanical switched capacitor. Nature Nanotechnology, 2008, 3, 26-30.	31.5	154
15	Nanoelectromechanical switches with vertically aligned carbon nanotubes. Applied Physics Letters, 2005, 87, 163114.	3.3	153
16	Nanomaterial-Enhanced All-Solid Flexible Zinc-Carbon Batteries. ACS Nano, 2010, 4, 2730-2734.	14.6	148
17	Single-Phase Inverter-Control Techniques for Interfacing Renewable Energy Sources With Microgrid-Part II: Series-Connected Inverter Topology to Mitigate Voltage-Related Problems Along With Active Power Flow Control. IEEE Transactions on Power Electronics, 2011, 26, 732-746.	7.9	138
18	The Significance of Plasma Heating in Carbon Nanotube and Nanofiber Growth. Nano Letters, 2004, 4, 921-926.	9.1	135

#	ARTICLE	IF	CITATIONS
19	Analytic Solution to the Photovoltaic Maximum Power Point Problem. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 2054-2060.	0.1	134
20	Rapid synthesis of aligned zinc oxide nanowires. Nanotechnology, 2008, 19, 255608.	2.6	127
21	Arrays of Parallel Connected Coaxial Multiwallâ€Carbonâ€Nanotubeâ€Amorphousâ€Silicon Solar Cells. Advanced Materials, 2009, 21, 3919-3923.	21.0	95
22	Flexible organic photovoltaics from zinc oxide nanowires grown on transparent and conducting single walled carbon nanotube thin films. Journal of Materials Chemistry, 2008, 18, 5909.	6.7	94
23	Inkjet-printed graphene electrodes for dye-sensitized solar cells. Carbon, 2016, 105, 33-41.	10.3	94
24	Grapheneâ€Based Integrated Photovoltaic Energy Harvesting/Storage Device. Small, 2015, 11, 2929-2937.	10.0	90
25	Amorphous diamondâ€Si semiconductor heterojunctions. Applied Physics Letters, 1991, 59, 69-71.	3.3	87
26	Crystalline diamond growth in thin films deposited from a CH ₄ /Ar rf plasma. Applied Physics Letters, 1989, 55, 634-635.	3.3	83
27	Self-texturing of nitrogenated amorphous carbon thin films for electron field emission. Applied Physics Letters, 1997, 71, 1477-1479.	3.3	81
28	Smart textile lighting/display system with multifunctional fibre devices for large scale smart home and IoT applications. Nature Communications, 2022, 13, 814.	12.8	80
29	Photoelectrochemical cell using dye sensitized zinc oxide nanowires grown on carbon fibers. Applied Physics Letters, 2008, 93, .	3.3	76
30	Indoor photovoltaics, <i>The Next Big Trend</i> in solutionâ€processed solar cells. InformaÃƒnÃƒ-Materials, 2021, 3, 445-459.	17.3	75
31	A method for top down preparation of chitosan nanoparticles and nanofibers. Carbohydrate Polymers, 2015, 117, 731-738.	10.2	74
32	Drug-Loaded Halloysite Nanotube-Reinforced Electrospun Alginate-Based Nanofibrous Scaffolds with Sustained Antimicrobial Protection. ACS Applied Materials & Interfaces, 2018, 10, 33913-33922.	8.0	72
33	Graphene-Based Ultrathin Flat Lenses. ACS Photonics, 2015, 2, 200-207.	6.6	70
34	Multi-objective optimal power flow solutions using a constraint handling technique of evolutionary algorithms. Soft Computing, 2020, 24, 2999-3023.	3.6	69
35	A solid-state dye-sensitized solar cell based on a novel ionic liquid gel and ZnO nanoparticles on a flexible polymer substrate. Nanotechnology, 2008, 19, 424006.	2.6	68
36	Carbon Nanotube Based High Resolution Holograms. Advanced Materials, 2012, 24, OP331-6.	21.0	65

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37	Understanding Capacitance Variation in Sub-nanometer Pores by <i>in Situ</i> Tuning of Interlayer Constrictions. ACS Nano, 2016, 10, 747-754.	14.6	64
38	Improving Performance and Cyclability of Zinc-Silver Oxide Batteries by Using Graphene as a Two Dimensional Conductive Additive. ACS Applied Materials & Interfaces, 2014, 6, 20752-20757.	8.0	63
39	Helium Detection via Field Ionization from Carbon Nanotubes. Nano Letters, 2003, 3, 1455-1458.	9.1	62
40	High emission current density, vertically aligned carbon nanotube mesh, field emitter array. Applied Physics Letters, 2010, 97, .	3.3	62
41	A curcumin activated carboxymethyl cellulose-montmorillonite clay nanocomposite having enhanced curcumin release in aqueous media. Carbohydrate Polymers, 2015, 134, 695-699.	10.2	62
42	Alginate nanoparticles protect ferrous from oxidation: Potential iron delivery system. International Journal of Pharmaceutics, 2016, 513, 404-409.	5.2	62
43	APPLIED PHYSICS: Enhanced: A Dawn for Carbon Electronics?. Science, 2002, 297, 1657-1658.	12.6	60
44	A Hybrid Firefly-Swarm Optimized Fractional Order Interval Type-2 Fuzzy PID-PSS for Transient Stability Improvement. IEEE Transactions on Industry Applications, 2019, 55, 6486-6498.	4.9	60
45	Enhanced supercapacitors from hierarchical carbon nanotube and nanohorn architectures. Journal of Materials Chemistry, 2011, 21, 17810.	6.7	57
46	A Fully Integrated Split-Electrode SSHC Rectifier for Piezoelectric Energy Harvesting. IEEE Journal of Solid-State Circuits, 2019, 54, 1733-1743.	5.4	55
47	Metamaterial high pass filter based on periodic wire arrays of multiwalled carbon nanotubes. Applied Physics Letters, 2010, 97, 163102.	3.3	53
48	Flexible solid state lithium batteries based on graphene inks. Journal of Materials Chemistry, 2011, 21, 9762.	6.7	52
49	Zinc oxide nanowire networks for macroelectronic devices. Applied Physics Letters, 2009, 94, .	3.3	49
50	Photocatalytic activity of electrospun MgO nanofibres: Synthesis, characterization and applications. Materials Research Bulletin, 2018, 99, 204-210.	5.2	49
51	Influence of dc bias voltage on the refractive index and stress of carbon-diamond films deposited from a CH ₄ /Ar rf plasma. Journal of Applied Physics, 1991, 70, 5374-5379.	2.5	47
52	Hot Electron Field Emission <i>via</i> Individually Transistor-Ballasted Carbon Nanotube Arrays. ACS Nano, 2012, 6, 3236-3242.	14.6	47
53	Chitosan-Alginate Nanoparticle System Efficiently Delivers Doxorubicin to MCF-7 Cells. Journal of Nanomaterials, 2016, 2016, 1-12.	2.7	47
54	Zinc Oxide Nanostructures and High Electron Mobility Nanocomposite Thin Film Transistors. IEEE Transactions on Electron Devices, 2008, 55, 3001-3011.	3.0	46

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55	Metal-insulator-vacuum type electron emission from N-containing chemical vapor deposited diamond. Applied Physics Letters, 2001, 79, 275-277.	3.3	45
56	QUANTUM COMPUTATION WITH BALLISTIC ELECTRONS. International Journal of Modern Physics B, 2001, 15, 125-133.	2.0	44
57	Nanowire-based multifunctional antireflection coatings for solar cells. Nanoscale, 2014, 6, 14555-14562.	5.6	42
58	Nanowires for energy generation. Nanotechnology, 2012, 23, 194002.	2.6	41
59	Electromagnetic Radiation under Explicit Symmetry Breaking. Physical Review Letters, 2015, 114, 147701.	7.8	40
60	Devitrite-Based Optical Diffusers. ACS Nano, 2014, 8, 2929-2935.	14.6	39
61	A Cold-Startup SSHI Rectifier for Piezoelectric Energy Harvesters With Increased Open-Circuit Voltage. IEEE Transactions on Power Electronics, 2019, 34, 263-274.	7.9	39
62	Self-Assembled Multilayer Graphene Oxide Membrane and Carbon Nanotubes Synthesized Using a Rare Form of Natural Graphite. Journal of Physical Chemistry C, 2013, 117, 9507-9519.	3.1	38
63	Optimum Placement of Phasor Measurement Units in Power Systems. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 421-429.	4.7	38
64	Plasmonic Band Gaps and Waveguide Effects in Carbon Nanotube Arrays Based Metamaterials. ACS Nano, 2011, 5, 9138-9143.	14.6	36
65	ZnO Nanowire and WS_2 Nanotube Electronics. IEEE Transactions on Electron Devices, 2008, 55, 2988-3000.	3.0	35
66	PHOTONIC CRYSTALS & METAMATERIAL FILTERS BASED ON 2D ARRAYS OF SILICON NANOPILLARS. Progress in Electromagnetics Research, 2011, 113, 179-194.	4.4	35
67	A Passive Design Scheme to Increase the Rectified Power of Piezoelectric Energy Harvesters. IEEE Transactions on Industrial Electronics, 2018, 65, 7095-7105.	7.9	34
68	Quantum Size Effects in Amorphous Diamond-like Carbon Superlattices. Japanese Journal of Applied Physics, 1994, 33, 6458-6465.	1.5	33
69	A transparent ultraviolet triggered amorphous selenium p-n junction. Applied Physics Letters, 2011, 98, .	3.3	32
70	Using spacer layers to control metal and semiconductor absorption in ultrathin solar cells with plasmonic substrates. Physical Review B, 2012, 85, .	3.2	28
71	Can Nanotubes Make a Lens Array?. Advanced Materials, 2012, 24, OP170-3.	21.0	28
72	Improved Delivery of Caffeic Acid through Liposomal Encapsulation. Journal of Nanomaterials, 2016, 2016, 1-7.	2.7	27

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73	Cylindrical Fresnel lenses based on carbon nanotube forests. Applied Physics Letters, 2012, 101, .	3.3	26
74	Full Coverage of Optimal Phasor Measurement Unit Placement Solutions in Distribution Systems Using Integer Linear Programming. Energies, 2019, 12, 1552.	3.1	24
75	High performance cooling system for automotive inverters. , 2007, , .		23
76	Enhanced reflection from arrays of silicon based inverted nanocones. Applied Physics Letters, 2011, 99, 133105.	3.3	23
77	Waterproof Flexible InP@ZnSeS Quantum Dot Light-Emitting Diode. Advanced Optical Materials, 2020, 8, 1901362.	7.3	23
78	Electrically Switchable Diffraction Grating Using a Hybrid Liquid Crystal and Carbon Nanotube-Based Nanophotonic Device. Advanced Optical Materials, 2013, 1, 368-373.	7.3	22
79	Continuous diffraction patterns from circular arrays of carbon nanotubes. Applied Physics Letters, 2012, 101, 251102.	3.3	21
80	Reduced Graphene Oxide as a Monolithic Multifunctional Conductive Binder for Activated Carbon Supercapacitors. ACS Omega, 2018, 3, 9246-9255.	3.5	21
81	Nanocomposites of TiO ₂ /cyanoethylated cellulose with ultra high dielectric constants. Nanotechnology, 2016, 27, 195402.	2.6	20
82	Ferroelectric carbon nanotube memory devices. Nanotechnology, 2012, 23, 165702.	2.6	19
83	Incorporating semiconducting single-walled carbon nanotubes as efficient charge extractors in organic solar cells. Applied Physics Letters, 2015, 106, 123305.	3.3	19
84	Dielectric behaviour of montmorillonite/cyanoethylated cellulose nanocomposites. Carbohydrate Polymers, 2017, 172, 315-321.	10.2	19
85	Graphene Oxide-Based Nanocomposite for Sustained Release of Cephalexin. Journal of Pharmaceutical Sciences, 2020, 109, 1130-1135.	3.3	19
86	Modelling charge transport and electro-optical characteristics of quantum dot light-emitting diodes. Npj Computational Materials, 2021, 7, .	8.7	19
87	Tunable scattering from liquid crystal devices using carbon nanotubes network electrodes. Nanoscale, 2015, 7, 330-336.	5.6	18
88	Fusion of multiple indicators with ensemble incremental learning techniques for stock price forecasting. Journal of Banking and Financial Technology, 2019, 3, 33-42.	3.8	18
89	Electron beam defined delamination and ablation of carbon-diamond thin films on silicon. Journal of Applied Physics, 1990, 68, 5140-5145.	2.5	17
90	Visible Diffraction from Graphene and Its Application in Holograms. Advanced Optical Materials, 2013, 1, 869-874.	7.3	17

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91	State estimation for distribution systems using micro-synchrophasors. , 2015, , .		17
92	A Nanogripper Employing Aligned Multiwall Carbon Nanotubes. IEEE Nanotechnology Magazine, 2008, 7, 389-393.	2.0	16
93	Optimal placement of wind turbines in a windfarm using L-SHADE algorithm. , 2017, , .		16
94	Computer generated holograms for carbon nanotube arrays. Nanoscale, 2013, 5, 4217.	5.6	15
95	Carbon nanotubes on carbon fabrics for flexible field emitter arrays. Applied Physics Letters, 2008, 93, 053107.	3.3	14
96	A Characterization Study of a Nanowireâ€Network Transistor with Various Channel Layers. Advanced Materials, 2009, 21, 4139-4142.	21.0	14
97	Template-free electrochemical nanofabrication of polyaniline nanobrush and hybrid polyaniline with carbon nanohorns for supercapacitors. Nanotechnology, 2010, 21, 435702.	2.6	14
98	Electricity load demand time series forecasting with Empirical Mode Decomposition based Random Vector Functional Link network. , 2016, , .		14
99	Anneal-Induced Degradation of Amorphous Selenium Characterized by Photoconductivity Measurements. Japanese Journal of Applied Physics, 2005, 44, L334-L337.	1.5	13
100	Transformation of Unipolar Single-Walled Carbon Nanotube Field Effect Transistors to Ambipolar Induced by Polystyrene Nanosphere Assembly. ACS Nano, 2008, 2, 2526-2530.	14.6	13
101	A nano-patterned photonic crystal laser with a dye-doped liquid crystal. Applied Physics Letters, 2013, 103, 051101.	3.3	13
102	Hybrid approach based on global search algorithm for optimal placement of $\frac{1}{4}$ PMU in distribution networks. , 2016, , .		13
103	Minimizing THD of multilevel inverters with optimal values of DC voltages and switching angles using LSHADE-EpSin algorithm. , 2017, , .		13
104	Quantifying the limits of HANPP and carbon emissions which prolong total species well-being. Environment, Development and Sustainability, 2010, 12, 213-231.	5.0	12
105	A Distributed Maximum-Likelihood-Based State Estimation Approach for Power Systems. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	12
106	Energy control for long lifetime photovoltaic ac module inverter. , 0, , .		11
107	Vertical CNT-Si Photodiode Array. Nano Letters, 2013, 13, 4131-4136.	9.1	11
108	Synthesis of calcium carbonate microcapsules as self-healing containers. RSC Advances, 2019, 9, 23666-23677.	3.6	11

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109	The trench Insulated Gate Bipolar Transistor a high power switching device. <i>Microelectronics Journal</i> , 1997, 28, 1-12.	2.0	9
110	Atomic scale study for the structural transformation of single layered MoS ₂ . <i>CrystEngComm</i> , 2018, 20, 6482-6489.	2.6	9
111	Comparative analysis of sugar and mineral content of <i>Sargassum</i> spp. collected from different coasts of Sri Lanka. <i>Journal of Applied Phycology</i> , 2019, 31, 2643-2651.	2.8	9
112	Metamaterial filter for the near-visible spectrum. <i>Applied Physics Letters</i> , 2012, 101, 083106.	3.3	8
113	Modeling and simulation of non-ideal characteristics of vertical Mo/diamond Schottky barrier diode based on MIS model. <i>Transactions of the Materials Research Society of Japan</i> , 2014, 39, 297-303.	0.2	8
114	Improvement of power quality and reliability in the distribution system of petrochemical plants using active power filters. , 2018, , .		8
115	Optimal Power Flow Solutions Using Algorithm Success History Based Adaptive Differential Evolution with Linear Population Reduction. , 2018, , .		8
116	GIS Integrated Automation of a Near Real-Time Power-Flow Service for Electrical Grids. <i>IEEE Transactions on Industry Applications</i> , 2018, 54, 5661-5670.	4.9	8
117	An Empirical Study on the Impact of Collaborative R&D Networks on Enterprise Innovation Performance Based on the Mediating Effect of Technology Standard Setting. <i>Sustainability</i> , 2019, 11, 7249.	3.2	8
118	A Fast and Robust State Estimator Based on Exponential Function for Power Systems. <i>IEEE Sensors Journal</i> , 2022, 22, 5755-5767.	4.7	8
119	Amorphous selenium based photodetector driven by field emission current from N-doped diamond cold cathode. <i>Journal of Vacuum Science & Technology B</i> , 2006, 24, 1035.	1.3	7
120	Multiple color reflection in a single unit cell using double-layer electrochromic reaction. <i>Optics Letters</i> , 2012, 37, 235.	3.3	7
121	HIT Solar Cell With V20x Window Layer. <i>MRS Advances</i> , 2017, 2, 3147-3156.	0.9	7
122	Short-term wind power ramp forecasting with empirical mode decomposition based ensemble learning techniques. , 2017, , .		7
123	Carbon nanotube arrays for optical design of amorphous silicon solar cells. <i>International Journal of Material Forming</i> , 2008, 1, 113.	2.0	6
124	Special Issue on Nanowire Transistors: Modeling, Device Design, and Technology. <i>IEEE Transactions on Electron Devices</i> , 2008, 55, 2813-2819.	3.0	6
125	FEM MODELING OF PERIODIC ARRAYS OF MULTIWALLED CARBON NANOTUBES. <i>Progress in Electromagnetics Research M</i> , 2012, 22, 1-12.	0.9	6
126	MoOx Hole Collection Layer for a-Si:H Based Photovoltaic Cells. <i>MRS Advances</i> , 2016, 1, 977-983.	0.9	6

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127	Cylindrical Ultra-Thin a-Si:H Photovoltaic Cell With No Doped Layers. MRS Advances, 2017, 2, 825-833.	0.9	5
128	Crystalline Silicon Heterojunction Solar Cells With Metal Oxide Window Layers. , 2019, , .		5
129	Asymmetric Carbon Nanohorn Enabled Soft Capacitors with High Power Density and Ultra-Low Cutoff Frequency. Advanced Materials Technologies, 2020, 5, 2000372.	5.8	5
130	Guest Editorial Special Issue on Nanowire Transistors: Modeling, Device Design, and Technology. IEEE Nanotechnology Magazine, 2008, 7, 643-650.	2.0	4
131	Electromagnetic Modeling of Multiwalled Carbon Nanotubes as Nanorod Electrodes for Optimizing Device Geometry in a Nanophotonic Device. IEEE Nanotechnology Magazine, 2011, 10, 547-554.	2.0	4
132	Limits of Incremental Conductance for determining the Maximum Power Point under rapidly changing irradiance and an alternative technique based on fast scanning. , 2014, , .		4
133	Customized optimal $\frac{1}{4}$ PMU Placement method for distribution networks. , 2016, , .		4
134	Inorganic Quantum Dot Materials and their Applications in "Organic"Hybrid Solar Cells. Israel Journal of Chemistry, 2019, 59, 720-728.	2.3	4
135	Small Signal Stability Analysis of Microgrid System Based on Real-time Grid Impedance Measurement using Quadratic Residue Binary Sequence (QRBS). , 2019, , .		4
136	Series connected photovoltaic power inverter. , 2008, , .		3
137	Switching characteristics of diamond-based m-i-p+ diodes in power electronic applications. , 2011, , .		3
138	Thin-film transistors based on poly(3,3'-dialkyl-quarterthiophene) and zinc oxide nanowires with improved ambient stability. Applied Physics Letters, 2011, 98, 102106.	3.3	3
139	FABRICATION OF CARBON NANOTUBES ON INTER-DIGITATED METAL ELECTRODE FOR SWITCHABLE NANOPHOTONIC DEVICES. Progress in Electromagnetics Research, 2012, 127, 65-77.	4.4	3
140	Periodic Nanopillar N-I-P Amorphous Si Photovoltaic Cells Using Carbon Nanotube Scaffolds. IEEE Nanotechnology Magazine, 2014, 13, 997-1004.	2.0	3
141	Visible diffraction from quasi-crystalline arrays of carbon nanotubes. Nanoscale, 2015, 7, 13452-13457.	5.6	3
142	GIS integrated automation of a near real-time power-flow service for electrical grids. , 2016, , .		3
143	Ultra-thin LiF Layer As The Electron Collector For a-Si:H Based Photovoltaic Cell. MRS Advances, 2017, 2, 863-867.	0.9	3
144	Flexible, Dopant Free a-Si:H Solar Cell. , 2019, , .		3

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145	Analytical Modeling of Nonlinear Diffusion of Arsenic in Silicon. Journal of the Electrochemical Society, 1987, 134, 2316-2319.	2.9	2
146	A current transport model which includes effects of lattice heating. Solid-State Electronics, 1990, 33, 1343-1346.	1.4	2
147	Photovoltaic measurements in carbon nanotube - amorphous silicon core/shell nanowire. , 2012, , .		2
148	Sinha and Amaratunga Reply:. Physical Review Letters, 2015, 115, 119702.	7.8	2
149	Color controllable smart white lighting based on various device architectures of electrically driven quantum-dot light-emitting diodes. Journal of Materials Chemistry C, 2022, 10, 10728-10741.	5.5	2
150	A Robust Dynamic State Estimation Method for Power Systems Using Exponential Absolute Value-Based Estimator. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	2
151	A Study of Diffusion, Clustering and Defects in As+ And Bf2+ Implanted Silicon During Scanning Electron Beam Annealing.. Materials Research Society Symposia Proceedings, 1987, 92, 27.	0.1	1
152	Forward blocking capability of double gate IGBTs at high temperatures. Solid-State Electronics, 1995, 38, 981-982.	1.4	1
153	Zinc Oxide Nanowire Networks for Macroelectronic Devices. , 2008, , .		1
154	Heterojunction photovoltaic devices utilizing single wall carbon nanotube thin films and silicon substrates. Conference Record of the IEEE Photovoltaic Specialists Conference, 2008, , .	0.0	1
155	Releasing new power semiconductor technology: The start-up company route. Power Semiconductor Devices & IC's, 2009 ISPSD 2009 21st International Symposium on, 2009, , .	0.0	1
156	Carbon Nanotubes: Carbon Nanotube Based High Resolution Holograms (Adv. Mater. 44/2012). Advanced Materials, 2012, 24, OP356.	21.0	1
157	The Noether current in Maxwell's equations and radiation under symmetry breaking. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170452.	3.4	1
158	Optical bandgap modelling from the structural arrangement of carbon nanotubes. Nanoscale, 2018, 10, 10683-10690.	5.6	1
159	Real-time Grid Impedance Measurement of Three-Phase Micro-grid System in d-q Frame using Quadratic Residue Ternary Sequence (QRTS). , 2019, , .		1
160	Interval State Estimation in Active Distribution Systems Considering Multiple Uncertainties. Sensors, 2021, 21, 4644.	3.8	1
161	Diamond Schottky diodes for power conversion. , 2007, , .		0
162	Nanostructured carbon electrodes for energy storage. , 2010, , .		0

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163	Nanostructured carbon electrodes for energy storage. , 2010, , .		0
164	A vertically aligned carbon nanotube/fiber based electrode for economic hydrogen production by water electrolysis. , 2010, , .		0
165	A vertical aligned carbon nanotube based platform for hydrogen production by water electrolysis. , 2010, , .		0
166	Nanocarbon based supercapacitors with reduced internal resistance. , 2010, , .		0
167	Optical waveguides and switches based on periodic arrays of carbon nanotubes. , 2011, , .		0
168	Spinning off a Semiconductor company from University premises — The story of Camsemi. , 2011, , .		0
169	NEMS based logic and memory circuits. , 2012, , .		0
170	Optical holograms based on carbon nanotubes. , 2013, , .		0
171	Liquid Crystals: Electrically Switchable Diffraction Grating Using a Hybrid Liquid Crystal and Carbon Nanotube-Based Nanophotonic Device (Advanced Optical Materials 5/2013). Advanced Optical Materials, 2013, 1, 367-367.	7.3	0
172	Generation profile shape dependent performance of mobility imbalanced organic solar cells. , 2015, , .		0
173	Multi-functional DSTATCOM to improve power quality and energy efficiency in petrochemical plant. , 2017, , .		0
174	Voltage Stability Assessment by Holomorphically Estimating the Bifurcation Point of Electric Grids. , 2018, , .		0
175	Updating Levothyroxine Synthesis for the Modern Age. Current Organic Synthesis, 2021, 18, 371-376.	1.3	0