George Gruner

List of Publications by Year
in descending order

64 papers	10,404 citations	76326 40 h-index	123424 61 g-index
65 all docs	65 docs citations	65 times ranked	12888 citing authors

#	Article	IF	Citations
1	Printable Thin Film Supercapacitors Using Single-Walled Carbon Nanotubes. Nano Letters, 2009, 9, 1872-1876.	9.1	1,440
2	Organic solar cells with carbon nanotube network electrodes. Applied Physics Letters, 2006, 88, 233506.	3.3	936
3	Carbon Nanotube Thin Films: Fabrication, Properties, and Applications. Chemical Reviews, 2010, 110, 5790-5844.	47.7	889
4	Electronic Detection of Specific Protein Binding Using Nanotube FET Devices. Nano Letters, 2003, 3, 459-463.	9.1	759
5	A method of printing carbon nanotube thin films. Applied Physics Letters, 2006, 88, 123109.	3.3	384
6	Organic Light-Emitting Diodes Having Carbon Nanotube Anodes. Nano Letters, 2006, 6, 2472-2477.	9.1	331
7	Flexible Nanotube Electronics. Nano Letters, 2003, 3, 1353-1355.	9.1	319
8	Conductivity scaling with bundle length and diameter in single walled carbon nanotube networks. Applied Physics Letters, 2006, 89, 133112.	3.3	286
9	Weakly coupled grain model of highâ€frequency losses in highTcsuperconducting thin films. Applied Physics Letters, 1988, 53, 1343-1345.	3.3	236
10	Microwave cavity perturbation technique: Part I: Principles. Journal of Infrared, Millimeter and Terahertz Waves, 1993, 14, 2423-2457.	0.6	219
11	Bioinspired Detection of Light Using a Porphyrin-Sensitized Single-Wall Nanotube Field Effect Transistor. Nano Letters, 2006, 6, 2031-2036.	9.1	211
12	Interaction of Aromatic Compounds with Carbon Nanotubes:Â Correlation to the Hammett Parameter of the Substituent and Measured Carbon Nanotube FET Response. Nano Letters, 2003, 3, 1421-1423.	9.1	204
13	Nanotube Optoelectronic Memory Devices. Nano Letters, 2004, 4, 1587-1591.	9.1	197
14	Charge Transfer from Ammonia Physisorbed on Nanotubes. Physical Review Letters, 2003, 91, 218301.	7.8	178
15	Recent advancements of graphene in biomedicine. Journal of Materials Chemistry B, 2013, 1, 2542.	5.8	176
16	Microwave shielding of transparent and conducting single-walled carbon nanotube films. Applied Physics Letters, 2007, 90, 183119.	3.3	155
17	Highly stretchable, conductive, and transparent nanotube thin films. Applied Physics Letters, 2009, 94, .	3.3	155
18	Charge Transport in Interpenetrating Networks of Semiconducting and Metallic Carbon Nanotubes. Nano Letters, 2009, 9, 1866-1871.	9.1	151

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19	Short-channel effects in contact-passivated nanotube chemical sensors. Applied Physics Letters, 2003, 83, 3821-3823.	3.3	130
20	Surface-Modified Nanotube Anodes for High Performance Organic Light-Emitting Diode. ACS Nano, 2009, 3, 2258-2264.	14.6	130
21	Subharmonic Shapiro Steps and Devil's-Staircase Behavior in Driven Charge-Density-Wave Systems. Physical Review Letters, 1984, 52, 2277-2280.	7.8	121
22	Influence of Mobile Ions on Nanotube Based FET Devices. Nano Letters, 2003, 3, 639-641.	9.1	113
23	Microwave cavity perturbation technique: Part II: Experimental scheme. Journal of Infrared, Millimeter and Terahertz Waves, 1993, 14, 2459-2487.	0.6	104
24	Particle Size Effect of Silver Nanoparticles Decorated Single Walled Carbon Nanotube Electrode for Supercapacitors. Journal of the Electrochemical Society, 2010, 157, A179.	2.9	103
25	PyrenecyclodextrinâEDecorated SingleâEWalled Carbon Nanotube FieldâEffect Transistors as Chemical Sensors. Advanced Materials, 2008, 20, 1910-1915.	21.0	98
26	Infrared transparent carbon nanotube thin films. Applied Physics Letters, 2009, 94, 081103.	3.3	98
27	Millimeter-wave surface resistance measurements in highly orientedYBa2Cu3O7â^Îthin films. Physical Review B, 1988, 37, 9726-9729.	3.2	89
28	Microwave cavity perturbation technique: Part III: Applications. Journal of Infrared, Millimeter and Terahertz Waves, 1993, 14, 2489-2517.	0.6	84
29	Flexible organic light-emitting diodes with transparent carbon nanotube electrodes: problems and solutions. Nanotechnology, 2010, 21, 155202.	2.6	78
30	Volume Dependence of Current Oscillations in NbSe3: A Finite-Size Effect. Physical Review Letters, 1983, 51, 2206-2209.	7.8	76
31	Chloride ion sensors based on low-dimensional Î±-MnO2â€“Co3O4 nanoparticles fabricated glassy carbon electrodes by simple Iâ€“V technique. Electrochimica Acta, 2013, 103, 143-150.	5.2	73
32	Electronic Detection of the Enzymatic Degradation of Starch. Organic Letters, 2004, 6, 2089-2092.	4.6	67
33	Patternable transparent carbon nanotube films for electrochromic devices. Journal of Applied Physics, 2007, 101, 016102.	2.5	60
34	Fully bendable polymer light emitting devices with carbon nanotubes as cathode and anode. Applied Physics Letters, 2009, 95, .	3.3	59
35	Electronic properties of carbon nanotube/fabric composites. Current Applied Physics, 2007, 7, 60-63.	2.4	57
36	A Tunable Photosensor. Journal of the American Chemical Society, 2008, 130, 16996-17003.	13.7	57

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37	Chemo-sensors development based on low-dimensional codoped Mn2O3-ZnO nanoparticles using flat-silver electrodes. Chemistry Central Journal, 2013, 7, 60.	2.6	54
38	Electrowetting devices with transparent single-walled carbon nanotube electrodes. Applied Physics Letters, 2007, 90, 093124.	3.3	52
39	Indium tin oxide modified transparent nanotube thin films as effective anodes for flexible organic light-emitting diodes. Applied Physics Letters, 2008, 93, .	3.3	48
40	Preparation of superconducting Tlâ€Caâ€Baâ€Cu thin films by chemical deposition. Applied Physics Letters, 1989, 55, 188-190.	3.3	47
41	Carbon Nanonets Spark New Electronics. Scientific American, 2007, 296, 76-83.	1.0	41
42	Power-law temperature dependence of the electrodynamic properties in orientedYBa2Cu3O7âˆ'Î´andY2Ba4Cu8O16âˆ'Î´films. Physical Review B, 1989, 39, 785-788.	3.2	38
43	Frequency- and electric-field-dependent conductivity of single-walled carbon nanotube networks of varying density. Physical Review B, 2008, 77, .	3.2	37
44	Photoinduced Charge Transfer within Polyaniline-Encapsulated Quantum Dots Decorated on Graphene. ACS Applied Materials & Interfaces, 2013, 5, 8105-8110.	8.0	36
45	Direct Electronic Detection of Prostate-Specific Antigen in Serum. Small, 2007, 3, 758-762.	10.0	35
46	Temperature-Frequency Scaling in Amorphous Niobium-Silicon near the Metal-Insulator Transition. Physical Review Letters, 1998, 80, 4261-4264.	7.8	26
47	Source of 1âˆ•f noise in carbon nanotube devices. Journal of Applied Physics, 2006, 100, 013505.	2.5	26
48	Measurements of the Complex Conductivity ofNbxSi1âˆ'xAlloys on the Insulating Side of the Metal-Insulator Transition. Physical Review Letters, 2001, 87, 116602.	7.8	20
49	Harmonic and subharmonic shapiro steps in orthorhombic Tas3. Solid State Communications, 1985, 54, 23-26.	1.9	19
50	Charge Density Wave Dynamics in NbSe3 and TaS3. Molecular Crystals and Liquid Crystals, 1982, 81, 17-29.	0.8	18
51	37.4: Lateâ€News Paper: Integration of Carbon Nanotube Transparent Electrodes into Display Applications. Digest of Technical Papers SID International Symposium, 2008, 39, 537-540.	0.3	18
52	Nanonet as a scaffold with targeted functionalities. Journal of Materials Chemistry, 2012, 22, 24983.	6.7	17
53	A method of fabricating highly transparent and conductive interpenetrated carbon nanotubeâ€“parylene networks. Nanotechnology, 2009, 20, 465304.	2.6	16
54	Modification of single-walled carbon nanotube electrodes by layer-by-layer assembly for electrochromic devices. Journal of Applied Physics, 2008, 103, .	2.5	11

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55	Solution Cast Films of Carbon Nanotubes for Transparent Conductors and Thin Film Transistors. Kluwer International Series in Electronic Materials: Science and Technology, 2009, , 297-328.	0.5	5
56	Frequency Dependent Conductivity in Organic Superconductors. Molecular Crystals and Liquid Crystals, 1996, 284, 107-119.	0.3	4
57	The Dynamics of Charge Density Waves. NATO ASI Series Series B: Physics, 1987, , 347-368.	0.2	4
58	Printed electronics, wearable technology. Translational Materials Research, 2016, 3, 030101.	1.2	4
59	Waveguide configuration optical spectroscopy. , 1998, , 111-168.		3
60	Charge density wave transport in linear chain compounds. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1984, 126, 400-408.	0.9	2
61	Carbon nanotube transistors for biosensing applications. , 2005, , .		2
62	Two-Dimensional Carbon Nanotube Networks: A Transparent Electronic Material. Materials Research Society Symposia Proceedings, 2005, 905, 1.	0.1	2
63	Subharmonic shapiro steps, devil's staircase, and synchronization in RF-driven CDW conductors. Lecture Notes in Physics, 1985, , 318-322.	0.7	2
64	Detecting biomolecules with nanoscale active electronic devices. , 2004, , .		0