

Oliver Jost

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

1,501
citations

19
h-index

38
g-index

41
ext. papers

1,582
ext. citations

3.9
avg. IF

3.46
L-index

#	Paper	IF	Citations
35	Full Polymer Dielectric Elastomeric Actuators (DEA) Functionalised with Carbon Nanotubes and High-K Ceramics. <i>Micromachines</i> , 2016 , 7,	3.3	7
34	Ambient effects on the electrical conductivity of carbon nanotubes. <i>Carbon</i> , 2015 , 95, 347-353	10.4	20
33	Optical absorption spectroscopy and properties of single walled carbon nanotubes at high temperature. <i>Synthetic Metals</i> , 2014 , 197, 182-187	3.6	15
32	Selective laser treatment and laser patterning of metallic and semiconducting nanotubes in single walled carbon nanotube films. <i>Diamond and Related Materials</i> , 2014 , 45, 70-75	3.5	11
31	Improved sorting of carbon nanotubes according to electronic type by density gradient ultracentrifugation. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2687-2690	1.3	13
30	Multi-component catalysts for the synthesis of SWCNT. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2511-2513	1.3	9
29	Isotope-Engineered Single-Wall Carbon Nanotubes; A Key Material for Magnetic Studies. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 4094-4098	3.8	48
28	High-yield synthesis of single-walled carbon nanotubes with a pulsed arc-discharge technique. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 3907-3910	1.3	21
27	Catalyst size dependencies for carbon nanotube synthesis. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 3911-3915	1.3	32
26	Catalyst volume to surface area constraints for nucleating carbon nanotubes. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 8234-41	3.4	55
25	Laser Ablation Synthesis of Single-Wall Carbon Nanotubes: The SLS Model 2006 , 611-632		1
24	Novel catalysts for low temperature synthesis of single wall carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3101-3105	1.3	18
23	Synthesis of single wall carbon nanotubes with defined ¹³ C content. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3050-3053	1.3	4
22	Novel catalysts, room temperature, and the importance of oxygen for the synthesis of single-walled carbon nanotubes. <i>Nano Letters</i> , 2005 , 5, 1209-15	11.5	116
21	Chemical optimization of self-assembled carbon nanotube transistors. <i>Nano Letters</i> , 2005 , 5, 451-5	11.5	117
20	Separation and Assembly of DNA-dispersed Carbon Nanotubes by Dielectrophoresis. <i>AIP Conference Proceedings</i> , 2005 ,	0	6
19	Purification and dispersion of carbon nanotubes by sidewall functionalization with single-stranded DNA. <i>AIP Conference Proceedings</i> , 2004 ,	0	6

18	Photocreated carrier dynamics in isolated carbon nanotubes. <i>Semiconductor Science and Technology</i> , 2004 , 19, S486-S488	1.8	4
17	Single-walled carbon nanotube diameter. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 433-40	1.3	19
16	Bandgap photoluminescence of semiconducting single-wall carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 21, 1057-1060	3	26
15	Third-order optical nonlinearities of carbon nanotubes in the femtosecond regime. <i>Applied Physics Letters</i> , 2004 , 85, 3572-3574	3.4	42
14	Carbon nanotube transistor optimization by chemical control of the nanotube/metal interface. <i>Applied Physics Letters</i> , 2004 , 84, 5106-5108	3.4	33
13	Ultrafast pump-probe measurements in single wall carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003 , 17, 380-383	3	11
12	Ultrafast carrier dynamics in single-wall carbon nanotubes. <i>Physical Review Letters</i> , 2003 , 90, 057404	7.4	288
11	Role of the catalyst particle size in the synthesis of single-wall carbon nanotubes. <i>Applied Surface Science</i> , 2002 , 197-198, 563-567	6.7	40
10	Solid-Liquid-Solid growth mechanism of single-wall carbon nanotubes. <i>Carbon</i> , 2002 , 40, 113-118	10.4	141
9	Reduced diameter distribution of single-wall carbon nanotubes by selective oxidation. <i>Chemical Physics Letters</i> , 2002 , 363, 567-572	2.5	80
8	Rate-Limiting Processes in the Formation of Single-Wall Carbon Nanotubes: Pointing the Way to the Nanotube Formation Mechanism. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 2875-2883	3.4	47
7	Mechanism of carbon nanotube synthesis by laser ablation 2001 ,		1
6	Impact of catalyst coarsening on the formation of single-wall carbon nanotubes. <i>Chemical Physics Letters</i> , 2001 , 339, 297-304	2.5	34
5	The spectroscopic investigation of the optical and electronic properties of SWCNT. <i>AIP Conference Proceedings</i> , 2000 ,	0	3
4	Gas-dynamic consideration of the laser evaporation synthesis of single-wall carbon nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 1999 , 69, S593-S596	2.6	46
3	Diameter grouping in bulk samples of single-walled carbon nanotubes from optical absorption spectroscopy. <i>Applied Physics Letters</i> , 1999 , 75, 2217-2219	3.4	176
2	Properties of sputter and Sol-Gel deposited PZT thin films for sensor and actuator applications: Preparation, stress and space charge distribution, self poling. <i>Ferroelectrics</i> , 1999 , 230, 109-114	0.6	8
1	High yield non destructive purification of single wall carbon nanotubes monitored by EPR measurements		3

