

Carola Meyer

List of Publications by Year in descending order

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759190

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43
all docs

43
docs citations

43
times ranked

788
citing authors

#	ARTICLE	IF	CITATIONS
1	Excited State Spectroscopy in Carbon Nanotube Double Quantum Dots. Nano Letters, 2006, 6, 1350-1355.	9.1	70
2	Purification and optical spectroscopy of N@C60. Physical Chemistry Chemical Physics, 2003, 5, 4080.	2.8	52
3	Photon-Assisted Tunneling in a Carbon Nanotube Quantum Dot. Nano Letters, 2007, 7, 295-299.	9.1	42
4	Manipulating InAs nanowires with submicrometer precision. Review of Scientific Instruments, 2011, 82, 113705.	1.3	30
5	Alignment of the endohedral fullerenes N@C60 and N@C70 in a liquid-crystal matrix. Physical Review A, 2002, 65, .	2.5	27
6	Electron Paramagnetic Resonance Investigation of Endohedral Fullerenes N@C60 and N@C70 in a Liquid Crystal. Journal of Magnetic Resonance, 2002, 156, 303-308.	2.1	20
7	Observation of Breathing-like Modes in an Individual Multiwalled Carbon Nanotube. Nano Letters, 2010, 10, 4470-4474.	9.1	19
8	Nanoscope anatomy of dynamic multi-protein complexes at membranes resolved by graphene-induced energy transfer. ELife, 2021, 10, .	6.0	19
9	Fabrication of coupled graphene-nanotube quantum devices. Nanotechnology, 2013, 24, 035204.	2.6	15
10	Partial magnetic ordering in one-dimensional arrays of endofullerene single-molecule magnet peapods. Nanoscale, 2018, 10, 18153-18160.	5.6	15
11	Switchable Coupling of Vibrations to Two-Electron Carbon-Nanotube Quantum Dot States. Nano Letters, 2015, 15, 4417-4422.	9.1	14
12	CVD growth of carbon nanotubes using molecular nanoclusters as catalyst. Physica Status Solidi (B): Basic Research, 2009, 246, 2494-2497.	1.5	13
13	Peapod synthesis depending on the number of nanotube sidewalls. Physica Status Solidi (B): Basic Research, 2009, 246, 2498-2501.	1.5	13
14	Synthesis and Functionalization of Fullerenes Encapsulating Atomic Phosphorus. Israel Journal of Chemistry, 2006, 46, 407-412.	2.3	10
15	Index assignment of a carbon nanotube rope using tip-enhanced Raman spectroscopy. Physica Status Solidi (B): Basic Research, 2011, 248, 2577-2580.	1.5	9
16	Spin-dependent electronic hybridization in a rope of carbon nanotubes. Physical Review B, 2011, 83, .	3.2	9
17	Defects induced on chemical vapour deposition carbon nanotubes during peapod synthesis on substrates. Nanotechnology, 2009, 20, 065603.	2.6	8
18	Oxidation induced shifts of Raman modes of carbon nanotubes. Physica Status Solidi (B): Basic Research, 2008, 245, 2205-2208.	1.5	7

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19	Spin transport in ferromagnetically contacted carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2680-2683.	1.5	7
20	Low-frequency noise in individual carbon nanotube field-effect transistors with top, side and back gate configurations: effect of gamma irradiation. <i>Nanotechnology</i> , 2014, 25, 035703.	2.6	7
21	Effects of Post-deposition Annealing on Epitaxial CoO/Fe ₃ O ₄ Bilayers on SrTiO ₃ (001) and Formation of Thin High-Quality Cobalt Ferrite-like Films. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23895-23904.	3.1	7
22	Parallel carbon nanotube quantum dots and their interactions. <i>Physical Review B</i> , 2013, 87, .	3.2	6
23	Structure and magnetization in CoPd thin films and nanocontacts. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 325, 112-116.	2.3	6
24	Impact of Tunnel-Barrier Strength on Magnetoresistance in Carbon Nanotubes. <i>Physical Review Applied</i> , 2016, 5, .	3.8	6
25	Capillary Stamping of Functional Materials: Parallel Additive Substrate Patterning without Ink Depletion. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001911.	3.7	6
26	Monitoring structural influences on quantum transport in InAs nanowires. <i>Applied Physics Letters</i> , 2012, 101, 062104.	3.3	5
27	Covalent functionalization of carbon nanotubes with tetramanganese complexes. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2412-2415.	1.5	5
28	Permalloy and Co50Pd50 as ferromagnetic contacts for magnetoresistance measurements in carbon nanotube-based transport structures. <i>Journal of Applied Physics</i> , 2012, 111, 07B309.	2.5	5
29	Quantum transport in carbon nanotubes covalently functionalized with magnetic molecules. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2424-2427.	1.5	5
30	Biofunctionalization of carbon nanotubes for reversible site-specific protein immobilization. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	5
31	Conductivity transients in C60 fullerene thin films. <i>Synthetic Metals</i> , 2001, 121, 1179-1180.	3.9	4
32	Comprehensive characterization of an individual carbon nanotube transport device. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2660-2663.	1.5	4
33	Nanoscale x-ray investigation of magnetic metallofullerene peapods. <i>Nanotechnology</i> , 2017, 28, 435703.	2.6	4
34	Effect of contact geometry on magnetoresistance in CoPd-contacted carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2622-2626.	1.5	3
35	Controlled covalent binding of antiferromagnetic tetramanganese complexes to carbon nanotubes. <i>RSC Advances</i> , 2015, 5, 84119-84124.	3.6	3
36	Kelvin probe force microscopy studies of the charge effects upon adsorption of carbon nanotubes and C60 fullerenes on hydrogen-terminated diamond. <i>Journal of Applied Physics</i> , 2018, 123, 015103.	2.5	3

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37	Magnetic properties of coordination clusters with {Mn ₄ } and {Co ₄ } antiferromagnetic cores. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 3780-3787.	2.8	3
38	Gate-Voltage Response of a One-Dimensional Ballistic Spin Valve without Spin-Orbit Interaction. <i>Physical Review Applied</i> , 2017, 7, .	3.8	2
39	Cationic Ordering and Its Influence on the Magnetic Properties of Co-Rich Cobalt Ferrite Thin Films Prepared by Reactive Solid Phase Epitaxy on Nb-Doped SrTiO ₃ (001). <i>Materials</i> , 2022, 15, 46.	2.9	1
40	Molecularly functionalized low dimensional systems. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1770234.	1.5	0