

Markus Sauer

List of Publications by Year in descending order

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papers

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759233

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all docs

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docs citations

24
times ranked

934
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid Carbon Nanotube Networks as Efficient Hole Extraction Layers for Organic Photovoltaics. ACS Nano, 2013, 7, 556-565.	14.6	102
2	The effect of electrolyte additives on electrochemical performance of silicon/mesoporous carbon (Si/MC) for anode materials for lithium-ion batteries. Electrochimica Acta, 2017, 247, 600-609.	5.2	67
3	Doping of single-walled carbon nanotubes controlled via chemical transformation of encapsulated nickelocene. Nanoscale, 2015, 7, 1383-1391.	5.6	60
4	One-step synthesis and XPS investigations of chiral NHC-Au(0)/Au nanoparticles. Nanoscale, 2019, 11, 8327-8333.	5.6	49
5	Internal charge transfer in metallicity sorted ferrocene filled carbon nanotube hybrids. Carbon, 2013, 59, 237-245.	10.3	33
6	Revealing the Adsorption Mechanisms of Nitroxides on Ultrapure, Metallicity-Sorted Carbon Nanotubes. ACS Nano, 2014, 8, 1375-1383.	14.6	31
7	Solar wind sputtering of wollastonite as a lunar analogue material – Comparisons between experiments and simulations. Icarus, 2018, 314, 98-105.	2.5	30
8	Inner tube growth properties and electronic structure of ferrocene-filled large diameter single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2575-2580.	1.5	29
9	Dynamic Potential Sputtering of Lunar Analog Material by Solar Wind Ions. Astrophysical Journal, 2020, 891, 100.	4.5	22
10	On the bonding environment of phosphorus in purified doped single-walled carbon nanotubes. Carbon, 2015, 81, 91-95.	10.3	19
11	In situ filling of metallic single-walled carbon nanotubes with ferrocene molecules. Physica Status Solidi (B): Basic Research, 2012, 249, 2408-2411.	1.5	18
12	Temperature-dependent inner tube growth and electronic structure of nickelocene-filled single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2015, 252, 2485-2490.	1.5	15
13	Carbon-based SILP catalysis for the selective hydrogenation of aldehydes using a well-defined Fe PNP complex. Catalysis Science and Technology, 2018, 8, 4812-4820.	4.1	12
14	Wettability transition of femtosecond laser patterned nodular cast iron (NCI) substrate. Applied Surface Science, 2021, 559, 149897.	6.1	12
15	Comprehensive spectroscopic characterization of high purity metallicity-sorted single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2015, 252, 2512-2518.	1.5	10
16	Raman and XPS analyses of pristine and annealed N-doped double-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2015, 252, 2558-2563.	1.5	10
17	Disentangling Vacancy Oxidation on Metallicity-Sorted Carbon Nanotubes. Journal of Physical Chemistry C, 2016, 120, 18316-18322.	3.1	8
18	Separation of Nickelocene-Filled Single-Walled Carbon Nanotubes by Conductivity Type and Diameter. Physica Status Solidi (B): Basic Research, 2017, 254, 1700178.	1.5	8

#	ARTICLE	IF	CITATIONS
19	Environmental stability of ferrocene filled in purely metallic single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2599-2604.	1.5	6
20	Tailoring the electronic properties of single-walled carbon nanotubes via filling with nickel acetylacetonate. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2546-2550.	1.5	6
21	Characterization of aluminum and titanium nitride films prepared by reactive sputtering under different poisoning conditions of target. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, 061507.	2.1	4
22	Silicon/Mesoporous Carbon (Si/MC) Derived from Phenolic Resin for High Energy Anode Materials for Li-ion Batteries: Role of HF Etching and Vinylene Carbonate (VC) Additive. <i>Batteries</i> , 2019, 5, 11.	4.5	3
23	Probing the ionic liquid/semiconductor interfaces over macroscopic distances using X-ray photoelectron spectroscopy. <i>Electrochimica Acta</i> , 2019, 319, 456-461.	5.2	2
24	Enhancement of photocatalytic oxidation of benzyl alcohol by edge-functionalized modified carbon nitride: A DFT evaluation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 419, 113452.	3.9	1