

Sascha Vongehr

List of Publications by Year in descending order

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50
papers

2,180
citations

279701

23
h-index

214721

47
g-index

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all docs

50
docs citations

50
times ranked

3516
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Spheres with Controllable Silver Nanoparticle Doping. <i>Journal of Physical Chemistry C</i> , 2010, 114, 977-982.	1.5	264
2	Highly Catalytic Pd ⁺ Ag Bimetallic Dendrites. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15005-15010.	1.5	238
3	Ag Dendrite-Based Au/Ag Bimetallic Nanostructures with Strongly Enhanced Catalytic Activity. <i>Langmuir</i> , 2009, 25, 11890-11896.	1.6	184
4	Controllable incorporation of Ag and Ag ⁺ Au nanoparticles in carbon spheres for tunable optical and catalytic properties. <i>Journal of Materials Chemistry</i> , 2010, 20, 5436.	6.7	169
5	FeCo ₂ O ₄ submicron-tube arrays grown on Ni foam as high rate-capability and cycling-stability electrodes allowing superior energy and power densities with symmetric supercapacitors. <i>Chemical Communications</i> , 2016, 52, 2624-2627.	2.2	108
6	Hierarchically MnO ₂ Nanosheet Covered Submicrometer-FeCo ₂ O ₄ -Tube Forest as Binder-Free Electrodes for High Energy Density All-Solid-State Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4762-4770.	4.0	104
7	A Review on Diverse Silver Nanostructures. <i>Journal of Materials Science and Technology</i> , 2010, 26, 487-522.	5.6	100
8	The Missing Memristor has Not been Found. <i>Scientific Reports</i> , 2015, 5, 11657.	1.6	84
9	High-Performance Flexible Solid-State Carbon Cloth Supercapacitors Based on Highly Processible N-Graphene Doped Polyacrylic Acid/Polyaniline Composites. <i>Scientific Reports</i> , 2016, 6, 12883.	1.6	81
10	Versatile synthesis of high surface area multi-metallic nanosponges allowing control over nanostructure and alloying for catalysis and SERS detection. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3648-3660.	5.2	70
11	A high energy density asymmetric all-solid-state supercapacitor based on cobalt carbonate hydroxide nanowire covered N-doped graphene and porous graphene electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18505-18513.	5.2	68
12	Electropolymerization of PANI coating in nitric acid for corrosion protection of 430 SS. <i>Synthetic Metals</i> , 2011, 161, 1368-1376.	2.1	51
13	Nanoporous carbon spheres and their application in dispersing silver nanoparticles. <i>Applied Surface Science</i> , 2009, 255, 6011-6016.	3.1	47
14	Ethanol-assisted hydrothermal synthesis and electrochemical properties of coral-like γ -Co(OH) ₂ nanostructures. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2166-2173.	1.4	44
15	Silver Nanoparticle-Induced Growth of Nanowire-Covered Porous MnO ₂ Spheres with Superior Supercapacitance. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 692-698.	3.2	44
16	Highly catalytic spherical carbon nanocomposites allowing tunable activity via controllable Au ⁺ Pd doping. <i>Journal of Colloid and Interface Science</i> , 2012, 375, 125-133.	5.0	38
17	Effects of hydrothermal temperature on formation and decoloration characteristics of anatase TiO ₂ nanoparticles. <i>Science China Technological Sciences</i> , 2012, 55, 894-902.	2.0	37
18	Flexible Asymmetric Supercapacitors Based on Nitrogen-Doped Graphene Hydrogels with Embedded Nickel Hydroxide Nanoplates. <i>ChemSusChem</i> , 2017, 10, 2301-2308.	3.6	37

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19	Work functions, ionization potentials, and in between: Scaling relations based on the image-charge model. <i>Physical Review B</i> , 2003, 67, .	1.1	34
20	Facile and rapid synthesis of spherical porous palladium nanostructures with high catalytic activity for formic acid electro-oxidation. <i>Nanotechnology</i> , 2012, 23, 255606.	1.3	32
21	Unusual pickup statistics of high-spin alkali agglomerates on helium nanodroplets. <i>Journal of Chemical Physics</i> , 2003, 119, 11124-11129.	1.2	28
22	3D nitrogen-doped graphene/Co(OH) ₂ -nanoplate composites for high-performance electrochemical pseudocapacitors. <i>RSC Advances</i> , 2014, 4, 61753-61758.	1.7	26
23	Growing ultracold sodium clusters by using helium nanodroplets. <i>Chemical Physics Letters</i> , 2002, 353, 89-94.	1.2	25
24	Silver Doping Mediated Route to Bimetallically Doped Carbon Spheres with Controllable Nanoparticle Distributions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18338-18346.	1.5	24
25	Facile and rapid synthesis of nickel nanowires and their magnetic properties. <i>Journal of Nanoparticle Research</i> , 2011, 13, 7085-7094.	0.8	24
26	An additive-free electrochemical route to rapid synthesis of large-area copper nano-octahedra on gold film substrates. <i>Electrochemistry Communications</i> , 2009, 11, 867-870.	2.3	23
27	Rapid synthesis of pentagonal silver nanowires with diameter-dependent tensile yield strength. <i>Materials Chemistry and Physics</i> , 2013, 142, 17-26.	2.0	22
28	Scalable Synthesis of Ag Networks with Optimized Sub-monolayer Au-Pd Nanoparticle Covering for Highly Enhanced SERS Detection and Catalysis. <i>Scientific Reports</i> , 2016, 6, 37092.	1.6	19
29	Diameter-controlled synthesis of polycrystalline nickel nanowires and their size dependent magnetic properties. <i>CrystEngComm</i> , 2012, 14, 7209.	1.3	18
30	Large-scale fabrication of porous bulk silver thin sheets with tunable porosity for high-performance binder-free supercapacitor electrodes. <i>RSC Advances</i> , 2015, 5, 45194-45200.	1.7	18
31	Square-wave electrochemical growth of lying three-dimensional silver dendrites with high surface-enhanced Raman scattering activities. <i>Materials Chemistry and Physics</i> , 2011, 129, 594-598.	2.0	17
32	Heterogeneous nucleation and growth of silver nanoparticles on unmodified polystyrene spheres by in situ reduction. <i>Applied Surface Science</i> , 2010, 256, 2654-2660.	3.1	16
33	Co dendrite based bimetallic structures with nanoflake-built Pt covers and strong catalytic activity. <i>Journal of Colloid and Interface Science</i> , 2010, 351, 217-224.	5.0	12
34	Two distinct branch-stem interfacial structures of silver dendrites with vertical and slanted branchings. <i>Chemical Physics Letters</i> , 2009, 477, 179-183.	1.2	9
35	Highly processible and electrochemically active graphene-doped polyacrylic acid/polyaniline allowing the preparation of defect-free thin films for solid-state supercapacitors. <i>RSC Advances</i> , 2015, 5, 62670-62677.	1.7	9
36	Bubble-assisted growth of hollow palladium nanospheres with structure control allowing very thin shells for highly enhanced catalysis. <i>RSC Advances</i> , 2014, 4, 13729-13732.	1.7	8

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37	Missing the Memristor. <i>Advanced Science Letters</i> , 2012, 17, 285-290.	0.2	8
38	Layered spherical carbon composites with nanoparticles of different metals grown simultaneously inside and outside. <i>Nanotechnology</i> , 2012, 23, 095603.	1.3	6
39	Quantitative Analysis of Particle Distributions by Comparison with Simulations. <i>Microscopy and Microanalysis</i> , 2011, 17, 61-66.	0.2	5
40	Optimized spherical manganese oxide-ferroferric oxide-tin oxide ternary composites as advanced electrode materials for supercapacitors. <i>Nanotechnology</i> , 2015, 26, 374001.	1.3	5
41	Collision statistics of clusters: from Poisson model to Poisson mixtures. <i>Chinese Physics B</i> , 2010, 19, 023602.	0.7	4
42	On the Apparently Fixed Dispersion of Size Distributions. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011, 8, 598-602.	0.4	4
43	Promoting Statistics of Distributions in Nanoscience: The Case of Improving Yield Strength Estimates from Ultrasound Scission. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18533-18537.	1.5	4
44	Shape versus porosity: A systematic survey of cobalt oxide nanosheet calcination from 200 to 900Å°C. <i>Materials Letters</i> , 2015, 141, 165-167.	1.3	4
45	Exploring inequality violations by classical hidden variables numerically. <i>Annals of Physics</i> , 2013, 339, 81-88.	1.0	3
46	Scalable synthesis and characterization of cobalt sodium tartrate nanowires with adjustable diameters. <i>Journal of Solid State Chemistry</i> , 2011, 184, 3055-3061.	1.4	2
47	Comment on "Flexible Asymmetric Supercapacitors Based on Nitrogen-Doped Graphene Hydrogels with Embedded Nickel Hydroxide Nanoplates". <i>ChemSusChem</i> , 2017, 10, 2309-2311.	3.6	2
48	Adapting Nanotech Research as Nano-Micro Hybrids Approach Biological Complexity, A Review. <i>Journal of Materials Science and Technology</i> , 2016, 32, 387-401.	5.6	1
49	Metric Expansion from Microscopic Dynamics in an Inhomogeneous Universe. <i>Communications in Theoretical Physics</i> , 2010, 54, 477-483.	1.1	0
50	Formation of hollow nanoshells in solution-based reactions via collision coalescence of nanobubble"particle systems. <i>Nanotechnology</i> , 2016, 27, 245602.	1.3	0