

Matti M Van Schooneveld

List of Publications by Year in descending order

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papers

2,296
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304743

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33
all docs

33
docs citations

33
times ranked

4378
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocrystal Core High-Density Lipoproteins: A Multimodality Contrast Agent Platform. <i>Nano Letters</i> , 2008, 8, 3715-3723.	9.1	308
2	On the Incorporation Mechanism of Hydrophobic Quantum Dots in Silica Spheres by a Reverse Microemulsion Method. <i>Chemistry of Materials</i> , 2008, 20, 2503-2512.	6.7	297
3	Improved Biocompatibility and Pharmacokinetics of Silica Nanoparticles by Means of a Lipid Coating: A Multimodality Investigation. <i>Nano Letters</i> , 2008, 8, 2517-2525.	9.1	229
4	Characterization of Porphyrin-Co(III)-Nitrene Radical™ Species Relevant in Catalytic Nitrene Transfer Reactions. <i>Journal of the American Chemical Society</i> , 2015, 137, 5468-5479.	13.7	185
5	Paramagnetic Lipid-Coated Silica Nanoparticles with a Fluorescent Quantum Dot Core: A New Contrast Agent Platform for Multimodality Imaging. <i>Bioconjugate Chemistry</i> , 2008, 19, 2471-2479.	3.6	143
6	In-situ Scanning Transmission X-Ray Microscopy of Catalytic Solids and Related Nanomaterials. <i>ChemPhysChem</i> , 2010, 11, 951-962.	2.1	129
7	A fluorescent, paramagnetic and PEGylated gold/silica nanoparticle for MRI, CT and fluorescence imaging. <i>Contrast Media and Molecular Imaging</i> , 2010, 5, 231-236.	0.8	103
8	On the Surface Chemistry of Iron Oxides in Reactive Gas Atmospheres. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1584-1588.	13.8	82
9	Magnetic quantum dots for multimodal imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009, 1, 475-491.	6.1	76
10	Quantum Dot and Cy5.5 Labeled Nanoparticles to Investigate Lipoprotein Biointeractions via Förster Resonance Energy Transfer. <i>Nano Letters</i> , 2010, 10, 5131-5138.	9.1	70
11	Imaging and quantifying the morphology of an organic-inorganic nanoparticle at the sub-nanometre level. <i>Nature Nanotechnology</i> , 2010, 5, 538-544.	31.5	65
12	X-ray Imaging of Zeolite Particles at the Nanoscale: Influence of Steaming on the State of Aluminum and the Methanol-to-Olefin Reaction. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3616-3619.	13.8	62
13	A Highly Active and Selective Manganese Oxide Promoted Cobalt-on-Silica Fischer-Tropsch Catalyst. <i>Topics in Catalysis</i> , 2011, 54, 768-777.	2.8	57
14	A close look at dose: Toward L-edge XAS spectral uniformity, dose quantification and prediction of metal ion photoreduction. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 198, 31-56.	1.7	56
15	Electronic Structure of CoO Nanocrystals and a Single Crystal Probed by Resonant X-ray Emission Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15218-15230.	3.1	51
16	Oxygen Binding to Cobalt and Iron Phthalocyanines As Determined from in Situ X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 25422-25428.	3.1	45
17	Highly Luminescent (Zn,Cd)Te/CdSe Colloidal Heteronanowires with Tunable Electron-Hole Overlap. <i>Nano Letters</i> , 2012, 12, 749-757.	9.1	45
18	Structure, Stability, and Formation Pathways of Colloidal Gels in Systems with Short-Range Attraction and Long-Range Repulsion. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4560-4564.	2.6	37

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19	A Multispectroscopic Study of 3d Orbitals in Cobalt Carboxylates: The High Sensitivity of 2p3d Resonant X-ray Emission Spectroscopy to the Ligand Field. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1170-1174.	13.8	37
20	Formation of Nematic Liquid Crystals of Sterically Stabilized Layered Double Hydroxide Platelets. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10142-10152.	2.6	33
21	Direct Observation of Cr ³⁺ 3d States in Ruby: Toward Experimental Mechanistic Evidence of Metal Chemistry. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4399-4413.	2.5	33
22	Three-Dimensional Structure and Defects in Colloidal Photonic Crystals Revealed by Tomographic Scanning Transmission X-ray Microscopy. <i>Langmuir</i> , 2012, 28, 3614-3620.	3.5	29
23	Charge-Transfer Analysis of 2p3d Resonant Inelastic X-ray Scattering of Cobalt Sulfide and Halides. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24919-24928.	3.1	22
24	Scanning Transmission X-ray Microscopy as a Novel Tool to Probe Colloidal and Photonic Crystals. <i>Small</i> , 2011, 7, 804-811.	10.0	21
25	Composition tunable cobalt-nickel and cobalt-iron alloy nanoparticles below 10 nm synthesized using acetonated cobalt carbonyl. <i>Journal of Nanoparticle Research</i> , 2012, 14, 991.	1.9	19
26	Enhancement of the decay rate by plasmon coupling for Eu ³⁺ in an Au nanoparticle model system. <i>Europhysics Letters</i> , 2011, 93, 57005.	2.0	17
27	In-Situ 2p3d Resonant Inelastic X-ray Scattering Tracking Cobalt Nanoparticle Reduction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17450-17456.	3.1	13
28	Distorted Tetrahedral Co ^{II} in K ₅ H[CoW ₁₂ O ₄₀]·xH ₂ O Probed by 2p3d Resonant Inelastic X-ray Scattering. <i>Inorganic Chemistry</i> , 2016, 55, 10152-10160.	4.0	11
29	Origin of Low Energy d-d Excitations Observed on Wet Chemically Prepared Cobalt Bearing Nanoparticles by 2p3d Resonant X-ray Emission Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14398-14407.	3.1	7
30	Transition-Metal Nanoparticle Oxidation in a Chemically Nonhomogenous Environment Revealed by 2p3d Resonant X-ray Emission. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1161-1166.	4.6	7
31	Temperature-Dependent 1s2p Resonant Inelastic X-ray Scattering of CoO. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2976-2981.	3.1	7
32	Visualizing the morphology of hybrid nanoparticles at the nanometer level using STEM-EELS spectro-microscopy. <i>Microscopy and Microanalysis</i> , 2012, 18, 1602-1603.	0.4	0