

Matthias Pauly

List of Publications by Citations

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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.

28

papers

995

citations

18

h-index

29

g-index

29

ext. papers

1,130

ext. citations

9.4

avg, IF

3.96

L-index

#	Paper	IF	Citations
28	Droplet-based microreactors for the synthesis of magnetic iron oxide nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6817-20	16.4	232
27	Microstructural and Magnetic Investigations of White-Spinel Core-Shell Cubic-Shaped Nanoparticles. <i>Chemistry of Materials</i> , 2011 , 23, 2886-2900	9.6	129
26	Size dependent dipolar interactions in iron oxide nanoparticle monolayer and multilayer Langmuir-Blodgett films. <i>Journal of Materials Chemistry</i> , 2012 , 22, 6343		61
25	Spray-assisted alignment of Layer-by-Layer assembled silver nanowires: a general approach for the preparation of highly anisotropic nano-composite films. <i>Nanoscale</i> , 2017 , 9, 1307-1314	7.7	53
24	Spacing-dependent dipolar interactions in dendronized magnetic iron oxide nanoparticle 2D arrays and powders. <i>Nanoscale</i> , 2013 , 5, 1507-16	7.7	47
23	Generating in-Plane Orientational Order in Multilayer Films Prepared by Spray-Assisted Layer-by-Layer Assembly. <i>ACS Nano</i> , 2017 , 11, 84-94	16.7	46
22	Monolayer and multilayer assemblies of spherically and cubic-shaped iron oxide nanoparticles. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16018		44
21	Size dependent gas sensing properties of spinel iron oxide nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2011 , 160, 942-950	8.5	34
20	A hydrodynamically optimized nano-electrospray ionization source and vacuum interface. <i>Analyst, The</i> , 2014 , 139, 1856-67	5	33
19	Active conformation control of unfolded proteins by hyperthermal collision with a metal surface. <i>Nano Letters</i> , 2014 , 14, 5609-15	11.5	33
18	In-plane aligned assemblies of 1D-nanoobjects: recent approaches and applications. <i>Chemical Society Reviews</i> , 2020 , 49, 509-553	58.5	32
17	2D Assembling of Magnetic Iron Oxide Nanoparticles Promoted by SAMs Used as Well-Addressed Surfaces. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 9041-9048	3.8	30
16	Co-tunneling enhancement of the electrical response of nanoparticle networks. <i>Small</i> , 2012 , 8, 108-15	11	28
15	Nanotrench for nano and microparticle electrical interconnects. <i>Nanotechnology</i> , 2010 , 21, 335303	3.4	28
14	Tunable magnetic properties of nanoparticle two-dimensional assemblies addressed by mixed self-assembled monolayers. <i>Langmuir</i> , 2011 , 27, 6235-43	4	28
13	Large 2D monolayer assemblies of iron oxide nanocrystals by the Langmuir-Blodgett technique. <i>Superlattices and Microstructures</i> , 2009 , 46, 195-204	2.8	27
12	Highly Oriented Nanowire Thin Films with Anisotropic Optical Properties Driven by the Simultaneous Influence of Surface Templating and Shear Forces. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3046-3057	9.5	26

11	Anisotropic optical and conductive properties of oriented 1D-nanoparticle thin films made by spray-assisted self-assembly. <i>Faraday Discussions</i> , 2016 , 191, 373-389	3.6	18
10	Iron oxide magnetic nanoparticles used as probing agents to study the nanostructure of mixed self-assembled monolayers. <i>Nanoscale</i> , 2011 , 3, 4696-705	7.7	18
9	Tuning the Chiroptical Properties of Elongated Nano-objects Hierarchical Organization. <i>ACS Nano</i> , 2020 , 14, 4111-4121	16.7	10
8	Gas Flow and Ion Transfer in Heated ESI Capillary Interfaces. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 761-773	3.5	10
7	Nanoscale Bouligand Multilayers: Giant Circular Dichroism of Helical Assemblies of Plasmonic 1D Nano-Objects. <i>ACS Nano</i> , 2021 ,	16.7	7
6	Chiral plasmonic nanostructures: recent advances in their synthesis and applications. <i>Materials Advances</i> , 2022 , 3, 186-215	3.3	5
5	Structure-Dependent Chiroptical Properties of Twisted Multilayered Silver Nanowire Assemblies. <i>Nano Letters</i> , 2021 , 21, 8298-8303	11.5	5
4	Janus and patchy nanoparticles: general discussion. <i>Faraday Discussions</i> , 2016 , 191, 117-139	3.6	3
3	Combined fitting of alternative and direct susceptibility curves of assembled nanostructures. <i>Journal of Applied Physics</i> , 2012 , 112, 123902	2.5	3
2	Polarization-dependent optical band gap energy of aligned semiconducting titanium oxide nanowire deposits. <i>Nanoscale</i> , 2021 , 13, 8958-8965	7.7	3
1	From a bulk solid to thin films of a hybrid material derived from the [Ti10O12(cat)8(py)8] oxo-cluster and poly(4-vinylpyridine). <i>New Journal of Chemistry</i> , 2019 , 43, 1581-1588	3.6	1