

Matthias Pauly

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5980617/matthias-pauly-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Chiral plasmonic nanostructures: recent advances in their synthesis and applications. <i>Materials Advances</i> , 2022 , 3, 186-215	3.3	5
27	Polarization-dependent optical band gap energy of aligned semiconducting titanium oxide nanowire deposits. <i>Nanoscale</i> , 2021 , 13, 8958-8965	7.7	3
26	Nanoscale Bouligand Multilayers: Giant Circular Dichroism of Helical Assemblies of Plasmonic 1D Nano-Objects. <i>ACS Nano</i> , 2021 ,	16.7	7
25	Structure-Dependent Chiroptical Properties of Twisted Multilayered Silver Nanowire Assemblies. <i>Nano Letters</i> , 2021 , 21, 8298-8303	11.5	5
24	Tuning the Chiroptical Properties of Elongated Nano-objects Hierarchical Organization. <i>ACS Nano</i> , 2020 , 14, 4111-4121	16.7	10
23	In-plane aligned assemblies of 1D-nanoobjects: recent approaches and applications. <i>Chemical Society Reviews</i> , 2020 , 49, 509-553	58.5	32
22	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
21	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
20	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
19	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
18	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
17	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
16	Janus and patchy nanoparticles: general discussion. <i>Faraday Discussions</i> , 2016 , 191, 117-139	3.6	3
15	A hydrodynamically optimized nano-electrospray ionization source and vacuum interface. <i>Analyst, The</i> , 2014 , 139, 1856-67	5	33
14	Active conformation control of unfolded proteins by hyperthermal collision with a metal surface. <i>Nano Letters</i> , 2014 , 14, 5609-15	11.5	33
13	Spacing-dependent dipolar interactions in dendronized magnetic iron oxide nanoparticle 2D arrays and powders. <i>Nanoscale</i> , 2013 , 5, 1507-16	7.7	47
12	Combined fitting of alternative and direct susceptibility curves of assembled nanostructures. <i>Journal of Applied Physics</i> , 2012 , 112, 123902	2.5	3

11	Co-tunneling enhancement of the electrical response of nanoparticle networks. <i>Small</i> , 2012 , 8, 108-115	11	28
10	Size dependent dipolar interactions in iron oxide nanoparticle monolayer and multilayer Langmuir-Blodgett films. <i>Journal of Materials Chemistry</i> , 2012 , 22, 6343		61
9	Monolayer and multilayer assemblies of spherically and cubic-shaped iron oxide nanoparticles. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16018		44
8	Microstructural and Magnetic Investigations of White-Spinel Core-Shell Cubic-Shaped Nanoparticles. <i>Chemistry of Materials</i> , 2011 , 23, 2886-2900	9.6	129
7	Size dependent gas sensing properties of spinel iron oxide nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2011 , 160, 942-950	8.5	34
6	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
5	Tunable magnetic properties of nanoparticle two-dimensional assemblies addressed by mixed self-assembled monolayers. <i>Langmuir</i> , 2011 , 27, 6235-43	4	28
4	Nanotrench for nano and microparticle electrical interconnects. <i>Nanotechnology</i> , 2010 , 21, 335303	3.4	28
3	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
2	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
1	Droplet-based microreactors for the synthesis of magnetic iron oxide nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6817-20	16.4	232