

Sabrina Disch

List of Publications by Year in Descending Order

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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.

41

papers

819

citations

16

h-index

28

g-index

51

ext. papers

976

ext. citations

5.5

avg, IF

3.96

L-index

#	Paper	IF	Citations
41	Neither Sphere nor Cube Analyzing the Particle Shape Using Small-Angle Scattering and the Superball Model. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 23356-23363	3.8	3
40	In situ magnetorheological SANS setup at Institut Laue-Langevin. <i>Colloid and Polymer Science</i> , 2021 , 299, 281-288	2.4	5
39	Embracing Defects and Disorder in Magnetic Nanoparticles. <i>Advanced Science</i> , 2021 , 8, 2002682	13.6	13
38	Field Dependence of Magnetic Disorder in Nanoparticles. <i>Physical Review X</i> , 2020 , 10,	9.1	10
37	Sub-millisecond time-resolved small-angle neutron scattering measurements at NIST. <i>Journal of Applied Crystallography</i> , 2020 , 53, 598-604	3.8	8
36	Phase-Transfer and Stabilization of Highly Monodisperse Ferrite Nanoparticles into Polar Solvents by Ligand Exchange Synthesis. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 5048-5051	1.3	3
35	Magnetic small-angle neutron scattering. <i>Reviews of Modern Physics</i> , 2019 , 91,	40.5	80
34	Morphological and crystallographic orientation of hematite spindles in an applied magnetic field. <i>Nanoscale</i> , 2019 , 11, 7149-7156	7.7	12
33	Using the singular value decomposition to extract 2D correlation functions from scattering patterns. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019 , 75, 766-771	1.7	5
32	Critical size limits for collinear and spin-spiral magnetism in CoCr ₂ O ₄ . <i>Physical Review B</i> , 2019 , 100,	3.3	11
31	New 2D and 3D Coordination Polymers by Dehydration of 1[MII(tF-BDC)(H ₂ O) ₄] (MII = Zn ²⁺ , Co ²⁺ , Ni ²⁺ and tF-BDC ₂) Tetrafluoroterephthalate). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1423-1430	1.3	2
30	Noncollinear magnetism in nanosized cobalt chromite. <i>Physical Review B</i> , 2018 , 98,	3.3	9
29	Tuning the structure and habit of iron oxide mesocrystals. <i>Nanoscale</i> , 2016 , 8, 15571-80	7.7	21
28	Dispersible cobalt chromite nanoparticles: facile synthesis and size driven collapse of magnetism. <i>RSC Advances</i> , 2016 , 6, 107659-107668	3.7	4
27	Spin disorder in maghemite nanoparticles investigated using polarized neutrons and nuclear resonant scattering. <i>Journal of Physics: Conference Series</i> , 2016 , 711, 012002	0.3	10
26	Field-assisted self-assembly process: general discussion. <i>Faraday Discussions</i> , 2015 , 181, 463-79	3.6	1
25	Excitation of Ni nanorod colloids in oscillating magnetic fields: a new approach for nanosensing investigated by TISANE. <i>Nanoscale</i> , 2015 , 7, 17122-30	7.7	20

24	Directing the orientational alignment of anisotropic magnetic nanoparticles using dynamic magnetic fields. <i>Faraday Discussions</i> , 2015 , 181, 449-61	3.6	22
23	Preparation, formation, and structure of $[(\text{SnSe})_{1.04}\text{m}(\text{MoSe}_2)_n]$ intergrowth compounds (0 Inorganic Chemistry, 2015 , 54, 1091-9	5.1	7
22	Spin excitations in cubic maghemite nanoparticles studied by time-of-flight neutron spectroscopy. <i>Physical Review B</i> , 2014 , 89,	3.3	7
21	Telluride misfit layer compounds: $[(\text{PbTe})_{1.17}\text{m}(\text{TiTe}_2)_n]$. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5672-5	16.4	25
20	Innenr $\ddot{\text{a}}$ ktitelbild: Telluride Misfit Layer Compounds: $[(\text{PbTe})_{1.17}\text{m}(\text{TiTe}_2)_n}$ (<i>Angew. Chem.</i> 22/2014). <i>Angewandte Chemie</i> , 2014 , 126, 5819-5819	3.6	
19	Telluride Misfit Layer Compounds: $[(\text{PbTe})_{1.17}\text{m}(\text{TiTe}_2)_n]$. <i>Angewandte Chemie</i> , 2014 , 126, 5778-5781	3.6	7
18	Structural diversity in iron oxide nanoparticle assemblies as directed by particle morphology and orientation. <i>Nanoscale</i> , 2013 , 5, 3969-75	7.7	46
17	Lattice instabilities in bulk EuTiO ₃ . <i>Physical Review B</i> , 2013 , 88,	3.3	24
16	Synthesis, Structure, and Properties of Turbostratically Disordered $(\text{PbSe})_{1.18}(\text{TiSe}_2)_2$. <i>Chemistry of Materials</i> , 2013 , 25, 2404-2409	9.6	45
15	Synthesis, structure and electrical properties of a new tin vanadium selenide. <i>Journal of Solid State Chemistry</i> , 2013 , 202, 128-133	3.3	39
14	Steuerung gr $\ddot{\text{a}}$ ninduzierter Phasenumwandlungen durch chemisch konzipierte Nanolamine. <i>Angewandte Chemie</i> , 2013 , 125, 13452-13456	3.6	4
13	Controlling size-induced phase transformations using chemically designed nanolamines. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13211-4	16.4	32
12	Structural and electrical properties of $(\text{PbSe})_{1.16}\text{TiSe}_2$. <i>Emerging Materials Research</i> , 2012 , 1, 292-298	1.4	20
11	Paramagnetic nanoparticles as potential MRI contrast agents: characterization, NMR relaxation, simulations and theory. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012 , 25, 467-78	2.8	36
10	Quantitative spatial magnetization distribution in iron oxide nanocubes and nanospheres by polarized small-angle neutron scattering. <i>New Journal of Physics</i> , 2012 , 14, 013025	2.9	85
9	Shape induced symmetry in self-assembled mesocrystals of iron oxide nanocubes. <i>Nano Letters</i> , 2011 , 11, 1651-6	11.5	126
8	NMR relaxation and magnetic properties of superparamagnetic nanoworms. <i>Contrast Media and Molecular Imaging</i> , 2010 , 5, 318-22	3.2	21
7	Formation of unsaturated C ₃ hydrocarbons by the protolysis of magnesium sesquicarbide with ammonium halides. <i>Inorganic Chemistry</i> , 2008 , 47, 969-73	5.1	3

6	Physico-chemical and NMR relaxometric characterization of gadolinium hydroxide and dysprosium oxide nanoparticles. <i>Nanotechnology</i> , 2008 , 19, 475102	3.4	39
5	Prolyse von Magnesiumsesquicarbid mit Ammoniumsalzen. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 2099-2099	1.3	
4	Ca[Cu(C ₂ H) ₃] · 6 NH ₃ und Rb ₂ [Cu(C ₂ H) ₃] · NH ₃ : Zwei Ethinylocuprate mit einem trigonal planaren [Cu(C ₂ H) ₃] ₂ -Anion. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004 , 630, 2304-2310	1.3	11
3	Neue Ethinylocuprate mit einem ungewöhnlichen trigonal planaren [Cu(C ₂ H) ₃] ₂ -Anion. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004 , 630, 1716-1716	1.3	
2	Using small-angle scattering to guide functional magnetic nanoparticle design. <i>Nanoscale Advances</i> , 2021 , 3, 1-10	5.1	2
1	Smart Fluids IWhen Shear and Magnetic Forces Compete. <i>Neutron News</i> , 2013 , 1-3	0.4	