

# Sabrina Disch

## 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.

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	Shape induced symmetry in self-assembled mesocrystals of iron oxide nanocubes. <i>Nano Letters</i> , <b>2011</b> , 11, 1651-6	11.5	126
40	Quantitative spatial magnetization distribution in iron oxide nanocubes and nanospheres by polarized small-angle neutron scattering. <i>New Journal of Physics</i> , <b>2012</b> , 14, 013025	2.9	85
39	Magnetic small-angle neutron scattering. <i>Reviews of Modern Physics</i> , <b>2019</b> , 91,	40.5	80
38	Structural diversity in iron oxide nanoparticle assemblies as directed by particle morphology and orientation. <i>Nanoscale</i> , <b>2013</b> , 5, 3969-75	7.7	46
37	Synthesis, Structure, and Properties of Turbostratically Disordered (PbSe)1.18(TiSe2)2. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 2404-2409	9.6	45
36	Synthesis, structure and electrical properties of a new tin vanadium selenide. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 202, 128-133	3.3	39
35	Physico-chemical and NMR relaxometric characterization of gadolinium hydroxide and dysprosium oxide nanoparticles. <i>Nanotechnology</i> , <b>2008</b> , 19, 475102	3.4	39
34	Paramagnetic nanoparticles as potential MRI contrast agents: characterization, NMR relaxation, simulations and theory. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2012</b> , 25, 467-78	2.8	36
33	Controlling size-induced phase transformations using chemically designed nanolaminates. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 13211-4	16.4	32
32	Telluride misfit layer compounds: [(PbTe)1.17]m(TiTe) $\tilde{n}$ . <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 5672-5	16.4	25
31	Lattice instabilities in bulk EuTiO <sub>3</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	24
30	Directing the orientational alignment of anisotropic magnetic nanoparticles using dynamic magnetic fields. <i>Faraday Discussions</i> , <b>2015</b> , 181, 449-61	3.6	22
29	Tuning the structure and habit of iron oxide mesocrystals. <i>Nanoscale</i> , <b>2016</b> , 8, 15571-80	7.7	21
28	NMR relaxation and magnetic properties of superparamagnetic nanoworms. <i>Contrast Media and Molecular Imaging</i> , <b>2010</b> , 5, 318-22	3.2	21
27	Excitation of Ni nanorod colloids in oscillating magnetic fields: a new approach for nanosensing investigated by TISANE. <i>Nanoscale</i> , <b>2015</b> , 7, 17122-30	7.7	20
26	Structural and electrical properties of (PbSe)1.06TiSe2. <i>Emerging Materials Research</i> , <b>2012</b> , 1, 292-298	1.4	20
25	Embracing Defects and Disorder in Magnetic Nanoparticles. <i>Advanced Science</i> , <b>2021</b> , 8, 2002682	13.6	13

24	Morphological and crystallographic orientation of hematite spindles in an applied magnetic field. <i>Nanoscale</i> , <b>2019</b> , 11, 7149-7156	7.7	12
23	Ca[Cu(C <sub>2</sub> H) <sub>3</sub> ]·6 NH <sub>3</sub> und Rb <sub>2</sub> [Cu(C <sub>2</sub> H) <sub>3</sub> ]·NH <sub>3</sub> : Zwei Ethinylocuprate mit einem trigonal planaren [Cu(C <sub>2</sub> H) <sub>3</sub> ] <sub>2</sub> -Anion. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2004</b> , 630, 2304-2310	1.3	11
22	Critical size limits for collinear and spin-spiral magnetism in CoCr <sub>2</sub> O <sub>4</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	11
21	Field Dependence of Magnetic Disorder in Nanoparticles. <i>Physical Review X</i> , <b>2020</b> , 10,	9.1	10
20	Spin disorder in maghemite nanoparticles investigated using polarized neutrons and nuclear resonant scattering. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 711, 012002	0.3	10
19	Noncollinear magnetism in nanosized cobalt chromite. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	9
18	Sub-millisecond time-resolved small-angle neutron scattering measurements at NIST. <i>Journal of Applied Crystallography</i> , <b>2020</b> , 53, 598-604	3.8	8
17	Spin excitations in cubic maghemite nanoparticles studied by time-of-flight neutron spectroscopy. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	7
16	Preparation, formation, and structure of [(SnSe)1.04]m(MoSe <sub>2</sub> )n intergrowth compounds (0 Inorganic Chemistry, <b>2015</b> , 54, 1091-9	5.1	7
15	Telluride Misfit Layer Compounds: [(PbTe)1.17]m(TiTe <sub>2</sub> )n. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 5778-5781	3.6	7
14	Using the singular value decomposition to extract 2D correlation functions from scattering patterns. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>2019</b> , 75, 766-771	1.7	5
13	In situ magnetorheological SANS setup at Institut Laue-Langevin. <i>Colloid and Polymer Science</i> , <b>2021</b> , 299, 281-288	2.4	5
12	Dispersible cobalt chromite nanoparticles: facile synthesis and size driven collapse of magnetism. <i>RSC Advances</i> , <b>2016</b> , 6, 107659-107668	3.7	4
11	Steuerung gr <b>en</b> induzierter Phasenumwandlungen durch chemisch konzipierte Nanolaminate. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 13452-13456	3.6	4
10	Phase-Transfer and Stabilization of Highly Monodisperse Ferrite Nanoparticles into Polar Solvents by Ligand Exchange Synthesis. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 5048-5051	1.3	3
9	Formation of unsaturated C <sub>3</sub> hydrocarbons by the protolysis of magnesium sesquicarbide with ammonium halides. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 969-73	5.1	3
8	Neither Sphere nor Cube Analyzing the Particle Shape Using Small-Angle Scattering and the Superball Model. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 23356-23363	3.8	3
7	New 2D and 3D Coordination Polymers by Dehydration of 1[MII(tF-BDC)(H <sub>2</sub> O) <sub>4</sub> ] (MII = Zn <sup>2+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> and tF-BDC <sup>2-</sup> Tetrafluoroterephthalate). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2018</b> , 644, 1423-1430	1.3	2

6	Using small-angle scattering to guide functional magnetic nanoparticle design. <i>Nanoscale Advances</i> , 5.1	2
5	Field-assisted self-assembly process: general discussion. <i>Faraday Discussions</i> , 2015, 181, 463-79	3.6
4	Innenr $\ddot{\text{a}}$ ktitelbild: Telluride Misfit Layer Compounds: $[(\text{PbTe})_{1.17}]_m(\text{TiTe}_2)_n$ (Angew. Chem. 22/2014). <i>Angewandte Chemie</i> , 2014, 126, 5819-5819	3.6
3	Protolyse von Magnesiumsesquicarbid mit Ammoniumsalzen. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006, 632, 2099-2099	1.3
2	Neue Ethinylocuprate mit einem ungewöhnlichen trigonal planaren $[\text{Cu}(\text{C}_2\text{H})_3]_2$ -Anion. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004, 630, 1716-1716	1.3
1	Smart Fluids I When Shear and Magnetic Forces Compete. <i>Neutron News</i> , 1-3	0.4