

Mirko Mikolasek

List of Publications by Year in descending order

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483
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete Set of Elastic Moduli of a Spin-Crossover Solid: Spin-State Dependence and Mechanical Actuation. <i>Journal of the American Chemical Society</i> , 2018, 140, 8970-8979.	13.7	60
2	Finite size effects in molecular spin crossover materials. <i>New Journal of Chemistry</i> , 2014, 38, 1834.	2.8	59
3	Molecular Spin Crossover Materials: Review of the Lattice Dynamical Properties. <i>Annalen Der Physik</i> , 2019, 531, 1900076.	2.4	57
4	Non-extensivity of thermodynamics at the nanoscale in molecular spin crossover materials: a balance between surface and volume. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7358.	2.8	40
5	Tuning the spin crossover in nano-objects: From hollow to core-shell particles. <i>Chemical Physics Letters</i> , 2014, 607, 10-14.	2.6	29
6	Unprecedented Size Effect on the Phase Stability of Molecular Thin Films Displaying a Spin Transition. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25617-25621.	3.1	25
7	Control of the Phase Stability in Spin-Crossover Core-Shell Nanoparticles through the Elastic Interface Energy. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 435-442.	2.0	22
8	Investigation of surface energies in spin crossover nanomaterials: the role of surface relaxations. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12276-12281.	2.8	19
9	Role of surface vibrational properties on cooperative phenomena in spin-crossover nanomaterials. <i>Physical Review B</i> , 2014, 90, .	3.2	18
10	Raman and nuclear inelastic scattering study of the lattice dynamics of the [Fe(H ₂ B(pz) ₂) ₂ (phen)] spin crossover complex. <i>Chemical Physics Letters</i> , 2016, 653, 131-136.	2.6	18
11	Drastic lattice softening in mixed triazole ligand iron spin crossover nanoparticles. <i>Chemical Communications</i> , 2019, 55, 4769-4772.	4.1	18
12	Elasticity of Prussian Blue Analogue Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 443-448.	2.0	12
13	Spin crossover in Fe(triazole)-Pt nanoparticle self-assembly structured at the sub-5 nm scale. <i>Nanoscale</i> , 2020, 12, 8180-8187.	5.6	9
14	Phase Stability of Spin-Crossover Nanoparticles Investigated by Synchrotron Mössbauer Spectroscopy and Small-Angle Neutron Scattering. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1511-1515.	4.6	7
15	Lattice dynamics and polarization-dependent phonon damping in $\hat{1}\pm$ -phase FeSi ₂ nanostructures. <i>Physical Review B</i> , 2020, 101, .	3.2	4
16	Lattice dynamics of endotaxial silicide nanowires. <i>Physical Review B</i> , 2020, 102, .	3.2	2