Mantas Simenas

List of Publications by Year
in descending order

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		331670	454955
69	1,212	21	30
papers	citations	h-index	g-index

71	71	71	1295
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of sintering under CO+N2/H2 and CO2+air atmospheres on the physicochemical features of a commercial nano-YSZ. Journal of Alloys and Compounds, 2022, 904, 163976.	5.5	2
2	Phase transition model of FA cation ordering in FAPbX₃ (X = Br, I) hybrid perovskites. Journal of Materials Chemistry C, 2022, 10, 5210-5217.	5.5	3
3	A sensitivity leap for X-band EPR using a probehead with a cryogenic preamplifier. Journal of Magnetic Resonance, 2021, 322, 106876.	2.1	19
4	Implications of acceptor doping in the polarization and electrocaloric response of 0.9Pb(Mg1/3Nb2/3)O3â€“0.1PbTiO3 relaxor ferroelectric ceramics. Journal of Materials Chemistry C, 2021, 9, 3204-3214.	5.5	7
5	Reply to the Comment on â€œPhase transitions, screening and dielectric response of CsPbBr3â€• by Å. Svirskas, S. BalÄ‡Å«nas, M. ÅimÄ—nas, G. UseviÄius, M. Kinka, M. VeliÄka, D. Kubicki, M. E. Castillo, A. Karabanov, V. V. Shvartsman, M. R. Soares, V. Åablinskas, A. N. Salak, D. C. Lupascu and J. Banys, J. Mater. Chem. A, 2020, 8, 14015. Journal of Materials Chemistry A, 2021, 9, 11453-11455.	10.3	1
6	From ambient- to high-pressure dielectric response of perovskite formamidinium manganese formate. Journal of Materials Chemistry C, 2021, 9, 5740-5748.	5.5	0
7	Modeling the Dimeric Structure of Partly Deprotonated Trimesic Acid Molecules. Journal of Physical Chemistry C, 2021, 125, 7466-7475.	3.1	4
8	Emergence of Coupled Rotor Dynamics in Metalâ€“Organic Frameworks via Tuned Steric Interactions. Journal of the American Chemical Society, 2021, 143, 12053-12062.	13.7	18
9	Phase Diagram and Cation Dynamics of Mixed MA_{1â€“x}FA_xPbBr₃ Hybrid Perovskites. Chemistry of Materials, 2021, 33, 5926-5934.	6.7	16
10	Functional basis of electron transport within photosynthetic complex I. Nature Communications, 2021, 12, 5387.	12.8	13
11	Molecular spectroscopy of hybrid organicâ€“inorganic perovskites and related compounds. Coordination Chemistry Reviews, 2021, 448, 214180.	18.8	37
12	Suppression of phase transitions and glass phase signatures in mixed cation halide perovskites. Nature Communications, 2020, 11, 5103.	12.8	46
13	NMR and Raman Scattering Studies of Temperature- and Pressure-Driven Phase Transitions in CH₃NH₂NH₂PbCl₃ Perovskite. Journal of Physical Chemistry C, 2020, 124, 26999-27008.	3.1	30
14	Relaxing under pressure with a rigid niccolite formate framework. Journal of Materials Chemistry C, 2020, 8, 16736-16741.	5.5	7
15	Magnetic excitation and readout of methyl group tunnel coherence. Science Advances, 2020, 6, eaba1517.	10.3	16
16	Percolation and Transport Properties in The Mechanically Deformed Composites Filled with Carbon Nanotubes. Applied Sciences (Switzerland), 2020, 10, 1315.	2.5	6
17	Phase transitions, screening and dielectric response of CsPbBr₃. Journal of Materials Chemistry A, 2020, 8, 14015-14022.	10.3	37
18	Pinwheel Structures of Deprotonated Trimesic Acid on Ag(111): Model and Simulations. Journal of Physical Chemistry C, 2020, 124, 11212-11220.	3.1	8

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19	Electron paramagnetic resonance study of ferroelectric phase transition and dynamic effects in a Mn²⁺doped [NH₄][Zn(HCOO)₃] hybrid formate framework. Physical Chemistry Chemical Physics, 2020, 22, 8513-8521.	2.8	3
20	Dielectric Spectroscopy of Water Dynamics in Functionalized UiO-66 Metal-Organic Frameworks. Molecules, 2020, 25, 1962.	3.8	8
21	Three-Dimensional Perovskite Methylhydrazinium Lead Chloride with Two Polar Phases and Unusual Second-Harmonic Generation Bistability above Room Temperature. Chemistry of Materials, 2020, 32, 4072-4082.	6.7	104
22	Spin-Resonance Linewidths of Bismuth Donors in Silicon Coupled to Planar Microresonators. Physical Review Applied, 2020, 14, .	3.8	13
23	Peculiarities of Dipolar Ordering in Mixed Cation Halide Perovskites. , 2020, , .		0
24	Simulation of Structural Phase Transitions in Perovskite Methylhydrazinium Metalâ€“Formate Frameworks: Coupled Ising and Potts Models. Journal of Physical Chemistry C, 2019, 123, 19912-19919.	3.1	5
25	Impact of the Copper-Induced Local Framework Deformation on the Mechanism of Structural Phase Transition in [(CH₃)₂NH₂][Zn(HCOO)₃] Hybrid Metalâ€“Formate Perovskite. Journal of Physical Chemistry C, 2019, 123, 23594-23603.	3.1	12
26	Temperature-induced molecular reorganization on Au(111) driven by oligomeric defects. Nanoscale, 2019, 11, 19468-19476.	5.6	9
27	Trimesic Acid Molecule in a Hexagonal Pore: Central versus Noncentral Position. Journal of Physical Chemistry C, 2019, 123, 3552-3559.	3.1	13
28	Preparation and Dielectric Characterization of P(VDFâ€“TrFE) Copolymer-Based Composites Containing Metalâ€“Formate Frameworks. Journal of Physical Chemistry C, 2019, 123, 16380-16387.	3.1	4
29	Elucidation of dipolar dynamics and the nature of structural phases in the [(CH₃)₂NH₂][Zn(HCOO)₃] hybrid perovskite framework. Journal of Materials Chemistry C, 2019, 7, 6779-6785.	5.5	26
30	Spectroscopic Study of Structural Phase Transition and Dynamic Effects in a [(CH₃)₂NH₂][Cd(N₃)₃] Hybrid Perovskite Framework. Journal of Physical Chemistry C, 2019, 123, 11840-11849.	3.1	32
31	Self-assembly of 5,6-dihydroxyindole-2-carboxylic acid: polymorphism of a eumelanin building block on Au(111). Nanoscale, 2019, 11, 5422-5428.	5.6	9
32	Temperature- and pressure-dependent studies of a highly flexible and compressible perovskite-like cadmium dicyanamide framework templated with protonated tetrapropylamine. Journal of Materials Chemistry C, 2019, 7, 2408-2420.	5.5	32
33	Isostructural phase transition, quasielastic neutron scattering and magnetic resonance studies of a bistable dielectric ion-pair crystal [(CH₃)₂NH₂]₂KCr(CN)₆. Dalton Transactions, 2019, 48, 4190-4202.	3.3	34
34	Hydrothermal synthesis and characterization of nanostructured titanium monoxide films. RSC Advances, 2019, 9, 40727-40735.	3.6	5
35	Low-Frequency Dipolar Dynamics and Atmospheric Effects in ZIF-90 Metalâ€“Organic Framework. Journal of Physical Chemistry C, 2019, 123, 631-636.	3.1	13
36	Tunable polar linker dynamics in metalâ€“organic frameworks. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e516-e516.	0.1	0

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37	Spectroscopic Study of [(CH₃)₂NH₂][Zn(HCOO)₃] Hybrid Perovskite Containing Different Nitrogen Isotopes. Journal of Physical Chemistry C, 2018, 122, 10284-10292.	3.1	25
38	Electron paramagnetic resonance of a copper doped [(CH₃)₂NH₂][Zn(HCOO)₃] hybrid perovskite framework. Physical Chemistry Chemical Physics, 2018, 20, 12097-12105.	2.8	14
39	Screening of point defects in methylammonium lead halides: a Monte Carlo study. Journal of Materials Chemistry C, 2018, 6, 1487-1494.	5.5	6
40	Multiorientation Model for Planar Ordering of Trimesic Acid Molecules. Journal of Physical Chemistry C, 2018, 122, 7344-7352.	3.1	19
41	Reorientational dynamics of organic cations in perovskite-like coordination polymers. Dalton Transactions, 2018, 47, 17329-17341.	3.3	24
42	Reduced Na_{2+x}Ti₄O₉/C Composite: A Durable Anode for Sodium-Ion Batteries. Chemistry of Materials, 2018, 30, 8521-8527.	6.7	7
43	Room-temperature surface-assisted reactivity of a melanin precursor: silver metalâ€“organic coordination versus covalent dimerization on gold. Nanoscale, 2018, 10, 16721-16729.	5.6	23
44	On the origin of ferroelectric structural phases in perovskite-like metalâ€“organic formate. Journal of Materials Chemistry C, 2018, 6, 9420-9429.	5.5	34
45	Preparation and functional characterization of magnetoelectric Ba(Ti1-xFex)O3-x/2 ceramics. Application for a miniaturized resonator antenna. Ceramics International, 2018, 44, 20862-20870.	4.8	11
46	Three-Dimensional Model for Planar Assembly of Triangular Molecules: Effect of Substrateâ€“Molecule Interaction. Journal of Physical Chemistry C, 2017, 121, 3469-3478.	3.1	5
47	Preparation and structural characterization of Fe-doped BaTiO3 diluted magnetic ceramics. Ceramics International, 2017, 43, 9998-10005.	4.8	13
48	Electron paramagnetic resonance and electric characterization of a [CH₃NH₂NH₂][Zn(HCOO)₃] perovskite metal formate framework. Journal of Materials Chemistry C, 2017, 5, 4526-4536.	5.5	36
49	Exploring the Antipolar Nature of Methylammonium Lead Halides: A Monte Carlo and Pyrocurrent Study. Journal of Physical Chemistry Letters, 2017, 8, 4906-4911.	4.6	24
50	Single Crystal Electron Paramagnetic Resonance of Dimethylammonium and Ammonium Hybrid Formate Frameworks: Influence of External Electric Field. Journal of Physical Chemistry C, 2017, 121, 16533-16540.	3.1	24
51	Pulse EPR and ENDOR Study of Manganese Doped [(CH₃)₂NH₂][Zn(HCOO)₃] Hybrid Perovskite Framework. Journal of Physical Chemistry C, 2017, 121, 27225-27232.	3.1	20
52	EPR of Structural Phase Transition in Manganese- and Copper-Doped Formate Framework of [NH₃(CH₂)₄NH₃][Zn(HCOO)₃]₂. Journal of Physical Chemistry C, 2016, 120, 19751-19758.	3.1	19
53	Temperature- and pressure-dependent studies of niccolite-type formate frameworks of [NH₃(CH₂)₄NH₃][M₂(HCOO)₆] (M = Zn, Co, Fe). Physical Chemistry Chemical Physics, 2016, 18, 27613-27622.	2.8	19
54	Electron Paramagnetic Resonance Study of Guest Molecule-Influenced Magnetism in Kagome Metalâ€“Organic Framework. Journal of Physical Chemistry C, 2016, 120, 27462-27467.	3.1	9

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55	Structural phase transition in perovskite metalâ€“formate frameworks: a Potts-type model with dipolar interactions. Physical Chemistry Chemical Physics, 2016, 18, 18528-18535.	2.8	40
56	Numerical Engineering of Molecular Self-Assemblies in a Binary System of Trimesic and Benzenetribenzoic Acids. Journal of Physical Chemistry C, 2016, 120, 6669-6680.	3.1	26
57	Adsorption and Desorption of HD on the Metalâ€“Organic Framework Cu_{2.97}Zn_{0.03}(Btc)₂ Studied by Three-Pulse ESEEM Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 28530-28535.	3.1	15
58	Synthesis, Structure, and Electron Paramagnetic Resonance Study of a Mixed Valent Metalâ€“Organic Framework Containing Cu₂ Paddle-Wheel Units. Journal of Physical Chemistry C, 2015, 119, 4898-4907.	3.1	43
59	Effect of lattice coarsening and exclusion on phase-transition properties of the Bellâ€“Lavis model. Phase Transitions, 2015, 88, 833-842.	1.3	2
60	Single Crystal Electron Paramagnetic Resonance with Dielectric Resonators of Mononuclear Cu²⁺ Ions in a Metalâ€“Organic Framework Containing Cu₂ Paddle Wheel Units. Journal of Physical Chemistry C, 2015, 119, 19171-19179.	3.1	21
61	Dielectric relaxation and ferromagnetic resonance in magnetoelectric (Polyvinylidene-fluoride)/ferrite composites. Journal of Polymer Research, 2015, 22, 1.	2.4	10
62	EPR Study of Structural Phase Transition in Manganese-Doped [(CH₃)₂NH₂][Zn(HCOO)₃] Metalâ€“Organic Framework. Journal of Physical Chemistry C, 2015, 119, 24522-24528.	3.1	42
63	Coronene Molecules in Hexagonal Pores of Tricarboxylic Acids: A Monte Carlo Study. Journal of Physical Chemistry C, 2015, 119, 20524-20534.	3.1	22
64	Phase transition properties of the Bell-Lavis model. Physical Review E, 2014, 90, 042124.	2.1	19
65	A model of melamine molecules ordering on metal surfaces. Journal of Chemical Physics, 2014, 141, 054701.	3.0	17
66	Antiferromagnetic triangular Blume-Capel model with hard-core exclusions. Physical Review E, 2014, 89, 052144.	2.1	8
67	Dielectric relaxation and conductivity in the PbCo0.5Ta0.5O3 ceramics. Solid State Ionics, 2013, 247-248, 98-101.	2.7	0
68	Pin-wheel hexagons: A model for anthraquinone ordering on Cu(111). Journal of Chemical Physics, 2013, 139, 154711.	3.0	17
69	Electron Paramagnetic Resonance. , 0, , 629-656.		6