

Arkadiy Simonov

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

553
citations

1039406

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887659

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18
docs citations

18
times ranked

903
citing authors

#	ARTICLE	IF	CITATIONS
1	Hidden diversity of vacancy networks in Prussian blue analogues. <i>Nature</i> , 2020, 578, 256-260.	13.7	190
2	Designing disorder into crystalline materials. <i>Nature Reviews Chemistry</i> , 2020, 4, 657-673.	13.8	93
3	Experimental uncertainties of three-dimensional pair distribution function investigations exemplified on the diffuse scattering from a tris- <i>tert</i> -butyl-1,3,5-benzene tricarboxamide single crystal. <i>Journal of Applied Crystallography</i> , 2014, 47, 2011-2018.	1.9	50
4	Design of crystal-like aperiodic solids with selective disorderâ€“phonon coupling. <i>Nature Communications</i> , 2016, 7, 10445.	5.8	48
5	Correlated local dipoles in PbTe. <i>Physical Review Materials</i> , 2018, 2, .	0.9	43
6	Layered Zn ₂ [Co(CN) ₆](CH ₃ COO) double metal cyanide: a two-dimensional DMC phase with excellent catalytic performance. <i>Chemical Science</i> , 2019, 10, 4868-4875.	3.7	24
7	Emerging spinâ€“phonon coupling through cross-talk of two magnetic sublattices. <i>Nature Communications</i> , 2022, 13, 443.	5.8	20
8	Phonon broadening from supercell lattice dynamics: Random and correlated disorder. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600586.	0.7	17
9	Improper ferroelectric polarization in a perovskite driven by intersite charge transfer and ordering. <i>Physical Review B</i> , 2018, 97, .	1.1	14
10	Real structure of Ge ₄ Bi ₂ Te ₇ : refinement on diffuse scattering data with the 3D- $\hat{\rho}$ PDF method. <i>Journal of Applied Crystallography</i> , 2015, 48, 200-211.	1.9	9
11	Function from configurational degeneracy in disordered framework materials. <i>Faraday Discussions</i> , 2021, 225, 241-254.	1.6	9
12	Structural Study of $\hat{\rho}$ -AlOOH Up to 29 GPa. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1055.	0.8	8
13	Striping of orbital-order with charge-disorder in optimally doped manganites. <i>Nature Communications</i> , 2021, 12, 6319.	5.8	8
14	A Vacancy-Driven Intermetallic Phase: Rh ₃ Cd ₅ $\hat{\rho}$ ($\hat{\rho}$ $\hat{\rho}$ 0.56). <i>Inorganic Chemistry</i> , 2021, 60, 5488-5496.	1.9	7
15	Spin-ice physics in cadmium cyanide. <i>Nature Communications</i> , 2021, 12, 2272.	5.8	7
16	The Mystery of the AuIn 1:1 Phase and Its Incommensurate Structural Variations. <i>Inorganic Chemistry</i> , 2018, 57, 2791-2796.	1.9	4
17	Hybrid local-order mechanism for inversion symmetry breaking. <i>Physical Review B</i> , 2018, 97, .	1.1	2
18	Phonon broadening from supercell lattice dynamics: Random and correlated disorder (Phys. Status) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,7	0.7	0