Stanislav A Chizhik

List of Publications by Year
in descending order

19	1,032	1040056 9	839539 18
papers	citations	h-index	g-index

20	20	20	1335
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Relating Excited States to the Dynamics of Macroscopic Strain in Photoresponsive Crystals. Inorganic Chemistry, 2022, 61, 3573-3585.	4.0	9
2	The BrÃ¸nstedâ€“Evansâ€“Polanyi relationship in oxygen exchange of fuel cell cathode material SrCo_{0.9}Ta_{0.1}O_{3â^Î´} with the gas phase. Physical Chemistry Chemical Physics, 2021, 23, 1072-1081.	2.8	7
3	Mechanically Responsive Crystals: Analysis of Macroscopic Strain Reveals â€œHiddenâ€•Processes. Journal of Physical Chemistry A, 2020, 124, 300-310.	2.5	29
4	Determination of the material characteristics of the light-driven actuators from the kinetics of photo-mechanical response. Materials Today: Proceedings, 2019, 12, 35-38.	1.8	0
5	BrÃ¸nsted-Evans-Polanyi relationship in oxygen exchange of non-stoichiometric oxides with gas phase. Chemical Engineering Journal, 2019, 371, 319-326.	12.7	8
6	Quantification of photoinduced bending of dynamic molecular crystals: from macroscopic strain to kinetic constants and activation energies. Chemical Science, 2018, 9, 2319-2335.	7.4	73
7	Novel oxygen partial pressure relaxation technique for study of oxygen exchange in nonstoichiometric oxides. The model of relaxation kinetics. Solid State Ionics, 2018, 320, 297-304.	2.7	17
8	Spatially-ordered nano-sized crystallites formed by dehydration-induced single crystal cracking of CuCl₂Â·2(H₂O). CrystEngComm, 2018, 20, 6005-6017.	2.6	9
9	Nonstoichiometric oxides as a continuous homologous series: linear free-energy relationship in oxygen exchange. Physical Chemistry Chemical Physics, 2018, 20, 18447-18454.	2.8	13
10	A study of the effect of structural transformations in the course of Ce2(C2O4)3Â·10H2O thermal decomposition on the morphology of CeO2 obtained. Materials Today: Proceedings, 2017, 4, 11495-11499.	1.8	8
11	The study of structural and morphological changes during thermal decomposition of Y2(C2O4)3 10H2O. Materials Today: Proceedings, 2017, 4, 11470-11475.	1.8	6
12	Structural aspects of displacive transformations: what can optical microscopy contribute? Dehydration of Sm2(C2O4)3Â·10H2O as a case study. IUCrJ, 2017, 4, 588-597.	2.2	21
13	Directed Motility of Hygroresponsive Biomimetic Actuators. Advanced Functional Materials, 2016, 26, 1040-1053.	14.9	104
14	The effect of thermal expansion on photoisomerisation in the crystals of [Co(NH₃)₅NO₂]Cl(NO₃): different strain origins â€“ different outcomes. CrystEngComm, 2016, 18, 7276-7283.	2.6	14
15	Mechanically Responsive Molecular Crystals. Chemical Reviews, 2015, 115, 12440-12490.	47.7	678
16	Oxygen Release from Grossly Nonstoichiometric SrCo_{0.8}Fe_{0.2}O_{3â^Î´} Perovskite in Isostoichiometric Mode. Chemistry of Materials, 2014, 26, 2113-2120.	6.7	21
17	Diffusional-kinetic model of the joint dissolution of interacting poorly soluble substances. Russian Journal of Physical Chemistry A, 2007, 81, 632-637.	0.6	1
18	Kinetics of solid state reactions with a positive feedback between the reaction and fracture. Russian Chemical Bulletin, 1998, 47, 604-609.	1.5	5

#	Article	IF	Citations
19	Kinetics of solid state reactions with a positive feedback between the reaction and fracture. Russian Chemical Bulletin, 1998, 47, 610-614.	1.5	4