

Aleksandr Sotnikov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Lanthanum oxide sulfurization in ammonium rhodanide vapor. <i>Inorganic Materials</i> , 2014, 50, 1024-1029.	0.8	17
2	Kinetics of phase formation in the $\text{Ln}^{\text{III}}\text{O}^{\text{II}}\text{S}$ (Ln=La, Gd, Y) systems during oxide sulfidation in ammonium thiocyanate vapor. <i>Journal of the American Ceramic Society</i> , 2017, 100, 1320-1329.	3.8	12
3	XANES investigation of novel lanthanide-doped $\text{CuCr}_{0.99}\text{Ln}_{0.01}\text{S}_2$ (Ln=La, Ce) solid solutions. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	10
4	Electron transport properties of thermoelectrics based on layered substituted transition metal dichalcogenides. <i>Journal of Structural Chemistry</i> , 2017, 58, 893-900.	1.0	9
5	Some features of thermophysical properties of $\text{Ln}^{\text{III}}\text{Gd}_{2-x}\text{S}_{3-x}$ ceramics based on real structure. <i>Journal of the American Ceramic Society</i> , 2018, 101, 4773-4782.	3.8	8
6	Influence of Morphological Defects on Thermophysical Properties of $\text{Ln}^{\text{III}}\text{-Gd}_2\text{S}_3$. <i>Physics of the Solid State</i> , 2018, 60, 487-493.	0.6	8
7	Enhancing the Thermoelectric Properties of Misfit Layered Sulfides $(\text{MS})_{1.2+q}(\text{NbS}_2)_n$ (M = Gd and Dy) through Structural Evolution and Compositional Tuning. <i>ACS Omega</i> , 2020, 5, 13006-13013.	3.5	8
8	Short- and long-range disorders in misfit layered compounds $(\text{MS})_{1.2+\text{NbS}_2}$ with the solid solution subsystem $(\text{MS}) = (\text{Gd Dy}_{1-x}\text{S})$. <i>Materials Research Bulletin</i> , 2020, 131, 110963.	5.2	8
9	Valence band structure and charge distribution in the layered lanthanide-doped $\text{CuCr}_{0.99}\text{Ln}_{0.01}\text{S}_2$ (Ln=La, Ce) solid solutions. <i>Scientific Reports</i> , 2021, 11, 18934.	3.3	8
10	Figure of merit enhancement in thermoelectric materials based on $\text{Ln}^{\text{III}}\text{Ln}_{0.8-x}\text{Yb}_{0.2-x}\text{S}_{1.5-x}$ (Ln=Gd, Dy) solid solutions. <i>Journal of the American Ceramic Society</i> , 2022, 105, 2813-2822.	3.8	8
11	Effect of the Order-Disorder Transition on the Electronic Structure and Physical Properties of Layered CuCrS_2 . <i>Materials</i> , 2021, 14, 2729.	2.9	7
12	Kinetics of lanthanum oxide sulfurization in ammonium rhodanide vapor. <i>Inorganic Materials</i> , 2014, 50, 1212-1216.	0.8	5
13	Morphology and the Thermoelectric Properties of $\text{Ln}^{\text{III}}\text{-Gd}_x\text{Dy}_{1-x}\text{S}_{1.5}$ Solid Solution Ceramics. <i>Physics of the Solid State</i> , 2020, 62, 611-620.	0.6	5
14	Real structure and thermal properties of solid solutions of $\text{Ln}^{\text{III}}\text{-Gd}_x\text{Dy}_{1-x}\text{S}_{1.5}$. <i>Thermophysics and Aeromechanics</i> , 2020, 27, 439-448.	0.5	2
15	Kinetics of Thermal Decomposition of Yttrium and Samarium Hydroxides and $\text{Sm}(\text{OH})_3 @ \text{Y}(\text{OH})_3$ Compound with a Core-Shell Nanostructure. <i>Russian Journal of General Chemistry</i> , 2021, 91, 1368-1378.	0.8	2