

Aleksandr Sotnikov

List of Publications by Year in descending order

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