

Dmitrii V Semenok

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,364
citations

623188

14
h-index

752256

20
g-index

24
all docs

24
docs citations

24
times ranked

756
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalous High-Temperature Superconductivity in YH ₆ . <i>Advanced Materials</i> , 2021, 33, e2006832.	11.1	196
2	Superconductivity at 161 K in thorium hydride ThH ₁₀ : Synthesis and properties. <i>Materials Today</i> , 2020, 33, 36-44.	8.3	187
3	Superconductivity at 253 K in lanthanum-yttrium ternary hydrides. <i>Materials Today</i> , 2021, 48, 18-28.	8.3	119
4	High-Temperature Superconducting Phases in Cerium Superhydride with a T_c up to 115 K below a Pressure of 1 Megabar. <i>Physical Review Letters</i> , 2021, 127, 117001.	2.9	112
5	On Distribution of Superconductivity in Metal Hydrides. <i>Current Opinion in Solid State and Materials Science</i> , 2020, 24, 100808.	5.6	104
6	Actinium Hydrides AcH ₁₀ , AcH ₁₂ , and AcH ₁₆ as High-Temperature Conventional Superconductors. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1920-1926.	2.1	100
7	Superconducting praseodymium superhydrides. <i>Science Advances</i> , 2020, 6, eaax6849.	4.7	99
8	High-Temperature Superconductivity in a Th-H System under Pressure Conditions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43809-43816.	4.0	95
9	Synthesis of molecular metallic barium superhydride: pseudocubic BaH ₁₂ . <i>Nature Communications</i> , 2021, 12, 273.	5.8	66
10	Superconductivity of LaH ₁₀ and LaH ₁₆ polyhydrides. <i>Physical Review B</i> , 2020, 101, .	1.1	62
11	High-Pressure Synthesis of Magnetic Neodymium Polyhydrides. <i>Journal of the American Chemical Society</i> , 2020, 142, 2803-2811.	6.6	59
12	Iron Superhydrides FeH ₅ and FeH ₆ : Stability, Electronic Properties, and Superconductivity. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4731-4736.	1.5	48
13	A New Powerful Approach to Multi-Substituted 3(2H)-Furanones via Brønsted Acid-Catalyzed Reactions of 4-Diazodihydrofuran-3-ones. <i>Synthesis</i> , 2016, 48, 4525-4532.	1.2	43
14	Novel Strongly Correlated Europium Superhydrides. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 32-40.	2.1	33
15	Efficient synthesis of chalcone-4-sulfonyl chlorides and fluorides. <i>Tetrahedron Letters</i> , 2018, 59, 372-374.	0.7	12
16	4,5-Diaryl 3(2H)Furanones: Anti-Inflammatory Activity and Influence on Cancer Growth. <i>Molecules</i> , 2019, 24, 1751.	1.7	11
17	Sr-Doped Superionic Hydrogen Glass: Synthesis and Properties of SrH ₂₂ . <i>Advanced Materials</i> , 2022, 34, e2200924.	11.1	10
18	Experimental Evidence of Intramolecular C=O-H...O=C Hydrogen Bonds in the Structure of (Diaryl)tetrahydrofuranones Using Spectroscopic Tools. <i>Helvetica Chimica Acta</i> , 2016, 99, 716-723.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Measuring the Meissner effect at megabar pressures. National Science Review, 2019, 6, 856-856.	4.6	2
20	Application of lower aliphatic alcohols as reducing agents for increasing efficiency of the LCLD process. , 2014, , .		1
21	Acid-catalyzed decomposition and stability of diazofuranones: Experimental and mechanistic study. Journal of Physical Organic Chemistry, 2020, 33, e4038.	0.9	1
22	Photopolymerized two-dimensional organic films with calix[4]arene scaffold. Materials Today Communications, 2020, 25, 101334.	0.9	0