

Ekaterina D Grayfer

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,011
citations

623734

14
h-index

610901

24
g-index

30
all docs

30
docs citations

30
times ranked

1862
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal and kinetic studies of sulfur-rich molybdenum and tungsten polysulfides. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156705.	5.5	6
2	Amorphous pentasulfides MS ₅ (M = Mo, W) in reactions with thiuram disulfide and halogens. <i>Inorganica Chimica Acta</i> , 2020, 512, 119875.	2.4	2
3	Microwave exfoliation of organic-intercalated fluorographites. <i>Chemical Communications</i> , 2020, 56, 1895-1898.	4.1	4
4	Hexamolybdenum Clusters Supported on Exfoliated h-BN Nanosheets for Photocatalytic Water Purification. <i>Inorganic Chemistry</i> , 2020, 59, 6439-6448.	4.0	33
5	Revealing the Flexible 1D Primary and Globular Secondary Structures of Sulfur-Rich Amorphous Transition Metal Polysulfides. <i>ChemNanoMat</i> , 2019, 5, 1488-1497.	2.8	6
6	Theoretical and experimental comparative study of the stability and phase transformations of sesquichalcogenides M ₂ Q ₃ (M = Nb, Mo; Q = S, Se). <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1454-1463.	2.8	11
7	Pt-Decorated Boron Nitride Nanosheets as Artificial Nanozyme for Detection of Dopamine. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22102-22112.	8.0	166
8	Metal Polysulfides of Groups 4-6: From Bulk Samples to Nanoscale Materials. <i>Journal of Structural Chemistry</i> , 2018, 59, 913-921.	1.0	6
9	Metal-metal bond excitation in colloidal solution of NbS ₃ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 179, 46-50.	3.9	4
10	Colloidal 2D nanosheets of MoS ₂ and other transition metal dichalcogenides through liquid-phase exfoliation. <i>Advances in Colloid and Interface Science</i> , 2017, 245, 40-61.	14.7	143
11	A DFT study and experimental evidence of the sonication-induced cleavage of molybdenum sulfide Mo ₂ S ₃ in liquids. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6601-6610.	5.5	13
12	Oxidizing Properties of the Polysulfide Surfaces of Patronite VS ₄ and NbS ₃ Induced by (S ₂) ²⁺ Groups: Unusual Formation of Ag ₂ S Nanoparticles. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700999.	3.7	19
13	Anionic Redox Chemistry in Polysulfide Electrode Materials for Rechargeable Batteries. <i>ChemSusChem</i> , 2017, 10, 4805-4811.	6.8	56
14	Synthesis, Crystal Structure, and Colloidal Dispersions of Vanadium Tetrasulfide (VS ₄). <i>Chemistry - A European Journal</i> , 2015, 21, 4639-4645.	3.3	76
15	Ultradisperse Pt nanoparticles anchored on defect sites in oxygen-free few-layer graphene and their catalytic properties in CO oxidation. <i>Carbon</i> , 2015, 89, 290-299.	10.3	37
16	Colloidal solutions of niobium trisulfide and niobium triselenide. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5479-5486.	5.5	34
17	Photoluminescent nanographitic/nitrogen-doped graphitic hollow shells as a potential candidate for biological applications. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1229.	5.8	12
18	Synthesis, Properties, and Dispersion of Few-Layer Graphene Fluoride. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2015-2022.	3.3	27

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19	Functionalization and Dispersion of Hexagonal Boron Nitride (hâ€šBN) Nanosheets Treated with Inorganic Reagents. Chemistry - an Asian Journal, 2012, 7, 554-560.	3.3	116
20	Chemically modified graphene sheets by functionalization of highly exfoliated graphite. Journal of Materials Chemistry, 2011, 21, 3410-3414.	6.7	52
21	Graphene: chemical approaches to the synthesis and modification. Russian Chemical Reviews, 2011, 80, 751-770.	6.5	60
22	Graphene dispersion and graphene paper from highly exfoliated graphite. , 2011, , .		0
23	The synthesis and properties of highly exfoliated graphites from fluorinated graphite intercalation compounds. Carbon, 2011, 49, 3233-3241.	10.3	69
24	The effect of support properties on the activity of Pd/C catalysts in the liquid-phase hydrodechlorination of chlorobenzene. Applied Catalysis A: General, 2010, 379, 87-94.	4.3	37
25	Highly exfoliated graphite as a precursor for graphene materials. , 2010, , .		0
26	Liquid-phase hydrodechlorination of chlorobenzene by molecular hydrogen: The influence of reaction medium on process efficiency. Pure and Applied Chemistry, 2009, 81, 2107-2114.	1.9	7
27	Highly Exfoliated Graphite Fluoride as a Precursor for Graphene Fluoride Dispersions and Films. Croatica Chemica Acta, 0, , 107-112.	0.4	15