Zurong Dai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4411365/publications.pdf

Version: 2024-02-01

53	11,265	201674	175258
papers	citations	27	52
		h-index	g-index

53	53	53	10821
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Submicrometer spectromicroscopy of UO2 aged under high humidity conditions. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, .	2.1	2
2	Stable isotope signatures of hydration water in secondary mineralization on UO2. Talanta, 2021, 226, 122096.	5.5	8
3	Hydrogen and oxygen stable isotope composition of water in metaschoepite mineralization on U3O8. Applied Geochemistry, 2020, 112, 104469.	3.0	12
4	Stability of plutonium oxide nanoparticles in the presence of montmorillonite and implications for colloid facilitated transport. Applied Geochemistry, 2020, 122, 104725.	3.0	11
5	Experimental Investigation of Uranium Volatility during Vapor Condensation. Analytical Chemistry, 2020, 92, 6437-6445.	6.5	16
6	Hydrothermal Alteration of Nuclear Melt Glass, Colloid Formation, and Plutonium Mobilization at the Nevada National Security Site, U.S.A.. Environmental Science & Technology, 2019, 53, 7363-7370.	10.0	5
7	Gas Phase Chemical Evolution of Uranium, Aluminum, and Iron Oxides. Scientific Reports, 2018, 8, 10451.	3.3	18
8	Onset of a Two-Dimensional Superconducting Phase in a Topological-Insulatorâ€“Normal-Metal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>Bi</mml:mi></mml:mrow><mml:mrow><mml:mn>1</m Junction Fabricated. Physical Review Letters, 2018, 121, 037001.	7.8	6
9	Illite dissolution kinetics from 100 to 280 Â°C and pH 3 to 9. Geochimica Et Cosmochimica Acta, 2017, 209, 9-23.	3.9	22
10	Relative impact of H2O and O2 in the oxidation of UO2 powders from 50 to 300ÂÂ°C. Journal of Nuclear Materials, 2017, 496, 353-361.	2.7	9
11	Plasma flow reactor for steady state monitoring of physical and chemical processes at high temperatures. Review of Scientific Instruments, 2017, 88, 093506.	1.3	19
12	Interactions of Plutonium with Pseudomonas sp. Strain EPS-1W and Its Extracellular Polymeric Substances. Applied and Environmental Microbiology, 2016, 82, 7093-7101.	3.1	24
13	Plutonium(IV) sorption to montmorillonite in the presence of organic matter. Journal of Environmental Radioactivity, 2015, 141, 90-96.	1.7	15
14	Plutonium sorption and precipitation in the presence of goethite at 25 and 80â€¯â—‹C. Radiochimica Acta, 2014, .	1.2	10
15	Sorption interactions of plutonium and europium with ordered mesoporous carbon. Journal of Materials Chemistry A, 2014, 2, 11209-11221.	10.3	27
16	Chemical and Mechanical Properties of Wellbore Cement Altered by CO₂-Rich Brine Using a Multianalytical Approach. Environmental Science & Technology, 2013, 47, 1745-1752.	10.0	87
17	Neptunium(V) sorption to goethite at attomolar to micromolar concentrations. Journal of Colloid and Interface Science, 2013, 390, 176-182.	9.4	12
18	Reactivity of Mount Simon Sandstone and the Eau Claire Shale Under CO₂ Storage Conditions. Environmental Science & Technology, 2013, 47, 252-261.	10.0	102

#	Article	IF	Citations
19	Stabilization of Plutonium Nano-Colloids by Epitaxial Distortion on Mineral Surfaces. Environmental Science & Technology, 2011, 45, 2698-2703.	10.0	90
20	Investigation of iron sulfide impact crater residues: A combined analysis by scanning and transmission electron microscopy. Meteoritics and Planetary Science, 2011, 46, 1007-1024.	1.6	22
21	Bismuth-Loaded Polymer Scintillators for Gamma Ray Spectroscopy. Materials Research Society Symposia Proceedings, 2011, 1341, 1.	0.1	1
22	The origin of refractory minerals in comet 81P/Wild 2. Geochimica Et Cosmochimica Acta, 2009, 73, 7150-7161.	3.9	32
23	Applied focused ion beam techniques for sample preparation of astromaterials for integrated nanoanalysis. Meteoritics and Planetary Science, 2008, 43, 561-569.	1.6	22
24	Comet 81P/Wild 2 Under a Microscope. Science, 2006, 314, 1711-1716.	12.6	848
25	Silica-based nanospheres, nanowires, nanosubstrates, nanotubes, and nanofiber arrays. Colloid and Polymer Science, 2003, 281, 673-685.	2.1	25
26	Novel Nanostructures of Functional Oxides Synthesized by Thermal Evaporation. Advanced Functional Materials, 2003, 13, 9-24.	14.9	1,102
27	Nanocomposite (Nd,Dy)(Fe,Co,Nb,B)5.5/Â-Fe multilayer magnets with high performance. Journal Physics D: Applied Physics, 2003, 36, L63-L66.	2.8	15
28	Synthesis, chemical ordering, and magnetic properties of FePtCu nanoparticle films. Journal of Applied Physics, 2003, 93, 7337-7339.	2.5	79
29	Synthesis and Thermoelectric Power of Nitrogen-Doped Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2003, 3, 99-103.	0.9	21
30	Molten Gallium as a Catalyst for the Large-Scale Growth of Highly Aligned Silica Nanowires. Journal of the American Chemical Society, 2002, 124, 1817-1822.	13.7	351
31	Gallium Oxide Nanoribbons and Nanosheets. Journal of Physical Chemistry B, 2002, 106, 902-904.	2.6	260
32	Growth and Structure Evolution of Novel Tin Oxide Diskettes. Journal of the American Chemical Society, 2002, 124, 8673-8680.	13.7	325
33	Lead oxide nanobelts and phase transformation induced by electron beam irradiation. Applied Physics Letters, 2002, 80, 309-311.	3.3	164
34	Solution Phase Synthesis of Cu(OH)2Nanoribbons by Coordination Self-Assembly Using Cu2S Nanowires as Precursors. Nano Letters, 2002, 2, 1397-1401.	9.1	192
35	Exchange-coupled FePt nanoparticle assembly. Applied Physics Letters, 2002, 80, 2583-2585.	3.3	169
36	Structures of Oxide Nanobelts and Nanowires. Microscopy and Microanalysis, 2002, 8, 467-474.	0.4	28

#	Article	IF	Citations
37	Shapes, multiple twins and surface structures of monodisperse FePt magnetic nanocrystals. Surface Science, 2002, 505, 325-335.	1.9	103
38	Metallic Magnetic Nanocrystals â€“ Shapes, Self-assembly and Phase Transformation. Microscopy and Microanalysis, 2002, 8, 364-365.	0.4	0
39	Phase Transformation, Coalescence, and Twinning of Monodisperse FePt Nanocrystals. Nano Letters, 2001, 1, 443-447.	9.1	285
40	Nanobelts of Semiconducting Oxides. Science, 2001, 291, 1947-1949.	12.6	5,624
41	The crystal structure and growth direction of Cu2S nanowire arrays fabricated on a copper surface. Physical Chemistry Chemical Physics, 2001, 3, 3750-3753.	2.8	45
42	Temperature-Controlled Growth of Silicon-Based Nanostructures by Thermal Evaporation of SiO Powders. Journal of Physical Chemistry B, 2001, 105, 2507-2514.	2.6	182
43	Characterization of AlGaN/GaN structures on various substrates grown by radio frequency-plasma assisted molecular beam epitaxy. Journal of Electronic Materials, 2001, 30, 156-161.	2.2	3
44	Ultra-long single crystalline nanoribbons of tin oxide. Solid State Communications, 2001, 118, 351-354.	1.9	217
45	Mechanical and electrostatic properties of carbon nanotubes and nanowires. Materials Science and Engineering C, 2001, 16, 3-10.	7.3	125
46	Nano-Scale Mechanics of Nanotubes, Nanowires, and Nanobelts. Advanced Engineering Materials, 2001, 3, 657.	3.5	98
47	Polyhedral Shapes of Cobalt Nanocrystals and Their Effect on Ordered Nanocrystal Assembly. Advanced Materials, 2000, 12, 1944-1946.	21.0	102
48	The growth of GaN on lithium gallate (LiGaO2) substrates for material integration. Journal of Electronic Materials, 2000, 29, 894-896.	2.2	3
49	Side-by-side silicon carbideâ€“silica biaxial nanowires: Synthesis, structure, and mechanical properties. Applied Physics Letters, 2000, 77, 3349-3351.	3.3	238
50	Molecular beam epitaxy and interface reactions of layered GaSe growth on sapphire (0001). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 2376-2380.	2.1	17
51	Linkâ€up of 90Â° domain boundaries with interface dislocations in BaTiO3/LaAlO3. Applied Physics Letters, 1996, 68, 3093-3095.	3.3	27
52	Local ordering of oxygen vacancies in cubic zirconia (ZrO₂) stabilized with yttria (Y₂O₂) and magnesia (MgO) I. Electron diffuse scattering study. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1996, 73, 415-430.	0.6	27
53	Local ordering of oxygen vacancies in cubic zirconia stabilized with yttria and magnesia II. Determination of local ordering parameters of oxygen vacancies. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1996, 73, 1685-1698.	0.6	18