

John B Wiley

List of Publications by Year in descending order

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72
papers

1,443
citations

361413

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81
all docs

81
docs citations

81
times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	Topochemical Manipulation of Perovskites: Low-Temperature Reaction Strategies for Directing Structure and Properties. <i>Advanced Materials</i> , 2011, 23, 442-460.	21.0	120
2	Assembly of Metal-Anion Arrays within a Perovskite Host. Low-Temperature Synthesis of New Layered Copper Oxyhalides, (CuX)LaNb ₂ O ₇ , X = Cl, Br. <i>Journal of the American Chemical Society</i> , 1999, 121, 10743-10746.	13.7	116
3	Spin-Singlet Ground State in Two-Dimensional S=1/2 Frustrated Square Lattice: (CuCl)LaNb ₂ O ₇ . <i>Journal of the Physical Society of Japan</i> , 2005, 74, 1702-1705.	1.6	83
4	Electrodeposited nickel and gold nanoscale metal meshes with potentially interesting photonic properties. <i>Chemical Communications</i> , 2000, , 997-998.	4.1	79
5	Construction of Copper Halide Networks within Layered Perovskites. Syntheses and Characterization of New Low-Temperature Copper Oxyhalides. <i>Inorganic Chemistry</i> , 2001, 40, 710-714.	4.0	68
6	Synthesis and piezoelectric response of cubic and spherical LiNbO ₃ nanocrystals. <i>RSC Advances</i> , 2012, 2, 1913.	3.6	60
7	Rapid and Controlled In Situ Growth of Noble Metal Nanostructures within Halloysite Clay Nanotubes. <i>Langmuir</i> , 2017, 33, 13051-13059.	3.5	54
8	Opening a Perovskite to Valence Manipulation: A Two-Step Topotactic Route to a New Mixed-Valence Titanate, Na _{1-x+y} Cax/2LaTiO ₄ . <i>Journal of the American Chemical Society</i> , 1998, 120, 217-218.	13.7	47
9	Formation of Metal-Anion Arrays within Layered Perovskite Hosts. Preparation of a Series of New Metastable Transition-Metal Oxyhalides, (MCl)LaNb ₂ O ₇ (M = Cr, Mn, Fe, Co). <i>Inorganic Chemistry</i> , 2002, 41, 3385-3388.	4.0	41
10	Room-Temperature Aqueous Suzuki-Miyaura Cross-Coupling Reactions Catalyzed via a Recyclable Palladium@Halloysite Nanocomposite. <i>Organic Letters</i> , 2019, 21, 3471-3475.	4.6	38
11	Fabrication of Nanopeapods: Scrolling of Niobate Nanosheets for Magnetic Nanoparticle Chain Encapsulation. <i>Journal of the American Chemical Society</i> , 2012, 134, 2450-2452.	13.7	34
12	Microstructural and thermal investigations of HfO ₂ nanoparticles. <i>RSC Advances</i> , 2012, 2, 9207.	3.6	33
13	Insertion of a Two-Dimensional Iron-Chloride Network between Perovskite Blocks. Synthesis and Characterization of the Layered Oxyhalide, (FeCl)LaNb ₂ O ₇ . <i>Chemistry of Materials</i> , 2003, 15, 1480-1485.	6.7	32
14	Peapod-Type Nanocomposites through the In Situ Growth of Gold Nanoparticles within Preformed Hexaniobate Nanoscrolls. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4614-4617.	13.8	30
15	Synthesis and structure of a double-layered perovskite and its hydrate, K ₂ SrTa ₂ O ₇ ·mH ₂ O (m = 0, 2). <i>Materials Research Bulletin</i> , 2000, 35, 1737-1742.	5.2	28
16	Topotactic route for new layered perovskite oxides containing fluorine: Ln _{1.2} Sr _{1.8} Mn ₂ O ₇ F ₂ (Ln=Pr, Tj). <i>ETQq000rgBT/Overlock 10 Tf</i>	5.2	28
17	A Multistep Topotactic Route to the New Mixed-Valence Titanate, Na _{2-x+y} Cax/2La ₂ Ti ₃ O ₁₀ . Electron Localization Effects in a Triple-Layered Perovskite. <i>Inorganic Chemistry</i> , 1998, 37, 4484-4485.	4.0	26
18	Synthesis of mild-hard AAO templates for studying magnetic interactions between metal nanowires. <i>Journal of Materials Chemistry</i> , 2010, 20, 9246.	6.7	24

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19	Structural, thermal and magnetic characterization of the manganese oxyhalide layered perovskite, (MnCl)LaNb ₂ O ₇ . <i>Journal of Solid State Chemistry</i> , 2003, 175, 88-93.	2.9	23
20	High-Yield Solvothermal Synthesis of Magnetic Peapod Nanocomposites via the Capture of Preformed Nanoparticles in Scrolled Nanosheets. <i>Chemistry of Materials</i> , 2013, 25, 3902-3909.	6.7	23
21	Rapid Topochemical Modification of Layered Perovskites via Microwave Reactions. <i>Inorganic Chemistry</i> , 2016, 55, 1604-1612.	4.0	23
22	A two-step ion exchange route to the new metastable double-layered perovskite, (Rb,Na) _{1-x} Cax/2LaNb ₂ O ₇ (x ≈ 0.9). <i>Materials Research Bulletin</i> , 1999, 34, 271-278.	5.2	20
23	Iron oxide nanotubes synthesized via template-based electrodeposition. <i>Nanoscale</i> , 2014, 6, 5289-5295.	5.6	19
24	Neutron diffraction study of the oxychloride layered perovskite, (CuCl)LaNb ₂ O ₇ . <i>Materials Research Bulletin</i> , 2002, 37, 593-598.	5.2	18
25	Transition-metal Dion-Jacobson layered perovskites, M _{0.5} LaNb ₂ O ₇ . <i>Materials Research Bulletin</i> , 2004, 39, 2147-2154.	5.2	18
26	Construction of a double-layered tetrahedral network within a perovskite host: Two-step route to the alkali-metal-halide layered perovskite, (LixCl)LaNb ₂ O ₇ . <i>Journal of Solid State Chemistry</i> , 2007, 180, 583-588.	2.9	17
27	Microwave-assisted routes for rapid and efficient modification of layered perovskites. <i>Dalton Transactions</i> , 2018, 47, 2917-2924.	3.3	17
28	Divalent ion exchange of alkaline-earth cations into the triple-layered perovskite RbCa ₂ Nb ₃ O ₁₀ . <i>Materials Research Bulletin</i> , 1998, 33, 1581-1586.	5.2	16
29	Synthesis and thermal stability studies of a series of metastable Dion-Jacobson double-layered neodymium-niobate perovskites. <i>Journal of Solid State Chemistry</i> , 2014, 216, 85-90.	2.9	16
30	Particle Placement and Sheet Topological Control in the Fabrication of Ag-Hexaniobate Nanocomposites. <i>Langmuir</i> , 2015, 31, 480-485.	3.5	16
31	Thermal stability and high temperature polymorphism of topochemically-prepared Dion-Jacobson triple-layered perovskites. <i>Journal of Alloys and Compounds</i> , 2015, 647, 370-374.	5.5	16
32	Rapid Exfoliation and Surface Tailoring of Perovskite Nanosheets via Microwave-Assisted Reactions. <i>ChemNanoMat</i> , 2017, 3, 538-550.	2.8	16
33	Microwave Synthetic Routes for Shape-Controlled Catalyst Nanoparticles and Nanocomposites. <i>Molecules</i> , 2021, 26, 3647.	3.8	16
34	Thermal stability of Dion-Jacobson mixed-metal-niobate double-layered perovskites. <i>Materials Research Bulletin</i> , 2009, 44, 1046-1050.	5.2	15
35	Rapid microwave synthesis and optical activity of highly crystalline platinum nanocubes. <i>MRS Communications</i> , 2018, 8, 71-78.	1.8	15
36	Building Alkali-Metal-Halide Layers within a Perovskite Host by Sequential Intercalation: (A ₂ Cl)LaNb ₂ O ₇ (A = Rb, Cs). <i>Inorganic Chemistry</i> , 2009, 48, 4811-4816.	4.0	13

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37	Synthesis and characterization of the rare-earth Dionâ€“Jacobson layered perovskites, $APrNb_{2-x}O_{7-x}$ (A = Rb, Cs and CuCl). Dalton Transactions, 2015, 44, 10654-10660.	3.3	13
38	Rapid solvothermal fabrication of hexaniobate nanoscrolls. Materials Research Bulletin, 2013, 48, 3236-3241.	5.2	12
39	Formation of Scrolled Silver Vanadate Nanopeapods by Both Capture and Insertion Strategies. Chemistry of Materials, 2015, 27, 3694-3699.	6.7	12
40	Topochemical Synthesis of Alkali-Metal Hydroxide Layers within Double- and Triple-Layered Perovskites. Inorganic Chemistry, 2014, 53, 1773-1778.	4.0	11
41	Improved Synthetic Routes to Layered Na_xCoO_2 Oxides. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 1999, 29, 1199-1207.	1.8	10
42	New rare-earth double-layered-perovskite oxyfluorides, $RbLnTiNbO_6F$ (Ln = La, Pr, Nd). Materials Research Bulletin, 2002, 37, 133-140.	5.2	10
43	New magnetic materials obtained by ion-exchange reactions from non-magnetic layered perovskites. Journal of Physics Condensed Matter, 2004, 16, S585-S590.	1.8	10
44	Synthesis and characterization of the new layered perovskite, $Na_{0.10}(VO)_{0.45}LaTiO_4 \cdot nH_2O$. Materials Research Bulletin, 2004, 39, 1385-1392.	5.2	9
45	Preparation of free-standing metal wire arrays by in situ assembly. Journal of Materials Chemistry, 2008, 18, 3977.	6.7	9
46	Metathetical Precursor Route to Molybdenum Disulfide. Inorganic Syntheses, 2007, , 33-37.	0.3	8
47	Room temperature oxidative intercalation with chalcogen hydrides: Two-step method for the formation of alkali-metal chalcogenide arrays within layered perovskites. Materials Research Bulletin, 2012, 47, 1289-1294.	5.2	8
48	Rapid Large-scale Synthesis of Vanadate Nanoscrolls with Controllable Lengths. ChemNanoMat, 2016, 2, 54-60.	2.8	7
49	Modified templates for directing the topology of wires: preparation of wires with structured tips. Journal of Materials Chemistry, 2004, 14, 1387.	6.7	6
50	Fabrication of thick porous anodized aluminum oxide templates. Journal of Solid State Electrochemistry, 2015, 19, 1447-1452.	2.5	6
51	Formation of Mixed-metal Ceria Nanopeapod Composites within Scrolled Hexaniobate Nanosheets. ChemNanoMat, 2019, 5, 1373-1380.	2.8	6
52	Synthesis and Characterization of $[Fe(Htrz)_2(trz)](BF_4)$ Nanocubes. Molecules, 2022, 27, 1213.	3.8	6
53	Formation of molybdate organic-hybrids and exfoliated molybdate nanosheets. FlatChem, 2017, 5, 9-17.	5.6	5
54	Structure and properties of mixed valence titanates, $(Li_xVO)La_2Ti_3O_{10}$. Journal of Materials Chemistry, 2006, 16, 186-191.	6.7	4

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55	Synthesis and thermal stability studies of mixed A-site Dion-Jacobson triple-layered perovskites, $\text{A}^2\text{LaNaNb}_3\text{O}_{10}$ ($\text{A}^2 = \text{H, Li, Na, K, Rb, CuCl}$). <i>Journal of Solid State Chemistry</i> , 2020, 285, 121235.	2.9	4
56	Magnetic Properties of Co Nanoparticles in an AlMCM41 Mesoporous Host. <i>Materials Research Society Symposia Proceedings</i> , 2001, 676, 3451.	0.1	3
57	Fabrication of scrolled magnetic thin film patterns. <i>Journal of Applied Physics</i> , 2012, 111, 07E518.	2.5	3
58	Synthesis of New Multiple Layered Dion-Jacobson Perovskites. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1655, 1.	0.1	3
59	Novel Approach to Control Diameter of Self-Rolled Magnetic Microtubes by Anodizing Ti Layer. <i>IEEE Magnetics Letters</i> , 2012, 3, .	1.1	2
60	From Tetrahedral to Octahedral Iron Coordination: Layer Compression in Topochemically Prepared $\text{FeLa}_2\text{Ti}_3\text{O}_{10}$. <i>Inorganic Chemistry</i> , 2016, 55, 11529-11537.	4.0	2
61	Low-Temperature Multistep Topotactic Routes to New Mixed-Valence Perovskites. <i>Materials Research Society Symposia Proceedings</i> , 1998, 547, 99.	0.1	1
62	Assembly of Metal-Anion Arrays within Dion-Jacobson-Type Perovskite Hosts. <i>Materials Research Society Symposia Proceedings</i> , 2000, 658, 851.	0.1	1
63	Templated Assembly of Metal-Anion Arrays within Layered Hosts; Synthesis and Characterization of New Transition-Metal Oxyhalide Perovskites. <i>Materials Research Society Symposia Proceedings</i> , 2002, 718, 1.	0.1	1
64	Topochemical Strategies for the Formation of Alkali-metal Halide Arrays within Perovskite Hosts. <i>Materials Research Society Symposia Proceedings</i> , 2006, 988, 1.	0.1	1
65	Directed assembly of barium titanate nanopeapods via solvothermal processing with a mixed surfactant system. <i>Journal of Experimental Nanoscience</i> , 2021, 16, 265-277.	2.4	1
66	Electrodeposition of Three-Dimensionally Periodic Metal Meshes and Spheres. <i>Materials Research Society Symposia Proceedings</i> , 2000, 636, 9161.	0.1	0
67	Structure and Nanocrystallites of Ni and NiO Three Dimensional Ordered Macromeshes. <i>Materials Research Society Symposia Proceedings</i> , 2001, 703, 1.	0.1	0
68	Reductive Intercalation of Vanadyl Layered Perovskites. <i>Materials Research Society Symposia Proceedings</i> , 2004, 848, 40.	0.1	0
69	Colloidal Crystal Wires from Directed Assembly. <i>Materials Research Society Symposia Proceedings</i> , 2005, 872, 1.	0.1	0
70	Interaction effects analysis of dense nanowire systems FMR spectrum. , 2006, , .		0
71	Topochemical Modification of Layered Perovskites. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1148, 1.	0.1	0
72	Innen- $\frac{1}{4}$ cktitelbild: Peapod-Type Nanocomposites through the In Situ Growth of Gold Nanoparticles within Preformed Hexaniobate Nanoscrolls (<i>Angew. Chem.</i> 18/2014). <i>Angewandte Chemie</i> , 2014, 126, 4817-4817.	2.0	0