

John B Wiley

List of Publications by Year in descending order

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72
papers

1,443
citations

361413

20
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361022

35
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all docs

81
docs citations

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times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of [Fe(Htrz) ₂ (trz)](BF ₄) Nanocubes. <i>Molecules</i> , 2022, 27, 1213.	3.8	6
2	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
3	Microwave Synthetic Routes for Shape-Controlled Catalyst Nanoparticles and Nanocomposites. <i>Molecules</i> , 2021, 26, 3647.	3.8	16
4	Synthesis and thermal stability studies of mixed A-site Dion-Jacobson triple-layered perovskites, A ₂ LaNaNb ₃ O ₁₀ (A = H, Li, Na, K, Rb, CuCl). <i>Journal of Solid State Chemistry</i> , 2020, 285, 121235.	2.9	4
5	Formation of Mixed-Metal Ceria Nanopeapod Composites within Scrolled Hexaniobate Nanosheets. <i>ChemNanoMat</i> , 2019, 5, 1373-1380.	2.8	6
6	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
7	Rapid microwave synthesis and optical activity of highly crystalline platinum nanocubes. <i>MRS Communications</i> , 2018, 8, 71-78.	1.8	15
8	Microwave-assisted routes for rapid and efficient modification of layered perovskites. <i>Dalton Transactions</i> , 2018, 47, 2917-2924.	3.3	17
9	Rapid Exfoliation and Surface Tailoring of Perovskite Nanosheets via Microwave-Assisted Reactions. <i>ChemNanoMat</i> , 2017, 3, 538-550.	2.8	16
10	Rapid and Controlled In Situ Growth of Noble Metal Nanostructures within Halloysite Clay Nanotubes. <i>Langmuir</i> , 2017, 33, 13051-13059.	3.5	54
11	Formation of molybdate organic-hybrids and exfoliated molybdate nanosheets. <i>FlatChem</i> , 2017, 5, 9-17.	5.6	5
12	Rapid Large-Scale Synthesis of Vanadate Nanoscrolls with Controllable Lengths. <i>ChemNanoMat</i> , 2016, 2, 54-60.	2.8	7
13	From Tetrahedral to Octahedral Iron Coordination: Layer Compression in Topochemically Prepared FeLa ₂ Ti ₃ O ₁₀ . <i>Inorganic Chemistry</i> , 2016, 55, 11529-11537.	4.0	2
14	Rapid Topochemical Modification of Layered Perovskites via Microwave Reactions. <i>Inorganic Chemistry</i> , 2016, 55, 1604-1612.	4.0	23
15	Synthesis and characterization of the rare-earth Dion-Jacobson layered perovskites, A ₂ Rb ₂ Nb ₃ O ₁₀ (A = Rb, Cs and CuCl). <i>Dalton Transactions</i> , 2015, 44, 10654-10660.	3.3	13
16	Particle Placement and Sheet Topological Control in the Fabrication of Ag@Hexaniobate Nanocomposites. <i>Langmuir</i> , 2015, 31, 480-485.	3.5	16
17	Fabrication of thick porous anodized aluminum oxide templates. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1447-1452.	2.5	6
18	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

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19	Formation of Scrolled Silver Vanadate Nanopeapods by Both Capture and Insertion Strategies. <i>Chemistry of Materials</i> , 2015, 27, 3694-3699.	6.7	12
20	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
21	Synthesis of New Multiple Layered Dion-Jacobson Perovskites. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1655, 1.	0.1	3
22	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
23	Iron oxide nanotubes synthesized via template-based electrodeposition. <i>Nanoscale</i> , 2014, 6, 5289-5295.	5.6	19
24	Topochemical Synthesis of Alkali-Metal Hydroxide Layers within Double- and Triple-Layered Perovskites. <i>Inorganic Chemistry</i> , 2014, 53, 1773-1778.	4.0	11
25	InnenrÄ¼cktitelbild: 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
26	Rapid solvothermal fabrication of hexaniobate nanoscrolls. <i>Materials Research Bulletin</i> , 2013, 48, 3236-3241.	5.2	12
27	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
28	Fabrication of scrolled magnetic thin film patterns. <i>Journal of Applied Physics</i> , 2012, 111, 07E518.	2.5	3
29	Microstructural and thermal investigations of HfO ₂ nanoparticles. <i>RSC Advances</i> , 2012, 2, 9207.	3.6	33
30	Novel Approach to Control Diameter of Self-Rolled Magnetic Microtubes by Anodizing Ti Layer. <i>IEEE Magnetics Letters</i> , 2012, 3, .	1.1	2
31	Room temperature oxidative intercalation with chalcogen hydrides: Two-step method for the formation of alkali-metal chalcogenide arrays within layered perovskites. <i>Materials Research Bulletin</i> , 2012, 47, 1289-1294.	5.2	8
32	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
33	Synthesis and piezoelectric response of cubic and spherical LiNbO ₃ nanocrystals. <i>RSC Advances</i> , 2012, 2, 1913.	3.6	60
34	Topochemical Manipulation of Perovskites: Low-Temperature Reaction Strategies for Directing Structure and Properties. <i>Advanced Materials</i> , 2011, 23, 442-460.	21.0	120
35	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
36	Topotactic route for new layered perovskite oxides containing fluorine: Ln _{1.2} Sr _{1.8} Mn ₂ O ₇ F ₂ (Ln=Pr, Tj ETQq0 0 0 rgBT /Overlock 10 Tf	5.2	28

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37	Thermal stability of Dionâ€“Jacobson mixed-metal-niobate double-layered perovskites. <i>Materials Research Bulletin</i> , 2009, 44, 1046-1050.	5.2	15
38	Building Alkali-Metal-Halide Layers within a Perovskite Host by Sequential Intercalation: (A2Cl)LaNb2O7 (A = Rb, Cs). <i>Inorganic Chemistry</i> , 2009, 48, 4811-4816.	4.0	13
39	Preparation of free-standing metal wire arrays by in situ assembly. <i>Journal of Materials Chemistry</i> , 2008, 18, 3977.	6.7	9
40	Topochemical Modification of Layered Perovskites. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1148, 1.	0.1	0
41	Metathetical Precursor Route to Molybdenum Disulfide. <i>Inorganic Syntheses</i> , 2007, , 33-37.	0.3	8
42	Construction of a double-layered tetrahedral network within a perovskite host: Two-step route to the alkali-metal-halide layered perovskite, (LixCl)LaNb2O7. <i>Journal of Solid State Chemistry</i> , 2007, 180, 583-588.	2.9	17
43	Structure and properties of mixed valence titanates, (LixVO)La2Ti3O10. <i>Journal of Materials Chemistry</i> , 2006, 16, 186-191.	6.7	4
44	Interaction effects analysis of dense nanowire systems FMR spectrum. , 2006, , .		0
45	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
46	Spin-Singlet Ground State in Two-Dimensional S=1/2 Frustrated Square Lattice: (CuCl)LaNb2O7. <i>Journal of the Physical Society of Japan</i> , 2005, 74, 1702-1705.	1.6	83
47	Colloidal Crystal Wires from Directed Assembly. <i>Materials Research Society Symposia Proceedings</i> , 2005, 872, 1.	0.1	0
48	New magnetic materials obtained by ion-exchange reactions from non-magnetic layered perovskites. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S585-S590.	1.8	10
49	Reductive Intercalation of Vanadyl Layered Perovskites. <i>Materials Research Society Symposia Proceedings</i> , 2004, 848, 40.	0.1	0
50	Synthesis and characterization of the new layered perovskite, Na0.10(VO)0.45LaTiO4Â·nH2O. <i>Materials Research Bulletin</i> , 2004, 39, 1385-1392.	5.2	9
51	Transition-metal Dion-Jacobson layered perovskites, M0.5LaNb2O7. <i>Materials Research Bulletin</i> , 2004, 39, 2147-2154.	5.2	18
52	Modified templates for directing the topology of wires: preparation of wires with structured tips. <i>Journal of Materials Chemistry</i> , 2004, 14, 1387.	6.7	6
53	Structural, thermal and magnetic characterization of the manganese oxyhalide layered perovskite, (MnCl)LaNb2O7. <i>Journal of Solid State Chemistry</i> , 2003, 175, 88-93.	2.9	23
54	Insertion of a Two-Dimensional Iron-Chloride Network between Perovskite Blocks. Synthesis and Characterization of the Layered Oxyhalide, (FeCl)LaNb2O7. <i>Chemistry of Materials</i> , 2003, 15, 1480-1485.	6.7	32

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55	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
56	Formation of Metal ²⁺ -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
57	New rare-earth double-layered-perovskite oxyfluorides, RbLnTiNbO ₆ F (Ln = La, Pr, Nd). <i>Materials Research Bulletin</i> , 2002, 37, 133-140.	5.2	10
58	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
59	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
60	Magnetic Properties of Co Nanoparticles in an AlMCM41 Mesoporous Host. <i>Materials Research Society Symposia Proceedings</i> , 2001, 676, 3451.	0.1	3
61	Structure and Nanocrystallites of Ni and NiO Three Dimensional Ordered Macromeshes. <i>Materials Research Society Symposia Proceedings</i> , 2001, 703, 1.	0.1	0
62	Electrodeposition of Three-Dimensionally Periodic Metal Meshes and Spheres. <i>Materials Research Society Symposia Proceedings</i> , 2000, 636, 9161.	0.1	0
63	Assembly of Metal-Anion Arrays within Dion-Jacobson-Type Perovskite Hosts. <i>Materials Research Society Symposia Proceedings</i> , 2000, 658, 851.	0.1	1
64	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
65	Electrodeposited nickel and gold nanoscale metal meshes with potentially interesting photonic properties. <i>Chemical Communications</i> , 2000, , 997-998.	4.1	79
66	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
67	Improved Synthetic Routes to Layered Na _x CoO ₂ Oxides. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 1999, 29, 1199-1207.	1.8	10
68	Assembly of Metal ²⁺ -Anion Arrays within a Perovskite Host. Low-Temperature Synthesis of New Layered Copper ²⁺ -Oxyhalides, (CuX)LaNb ₂ O ₇ , X = Cl, Br. <i>Journal of the American Chemical Society</i> , 1999, 121, 10743-10746.	13.7	116
69	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
70	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
71	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
72	Low-Temperature Multistep Topotactic Routes to New Mixed-Valence Perovskites. <i>Materials Research Society Symposia Proceedings</i> , 1998, 547, 99.	0.1	1