Allen W Apblett

List of Publications by Year
in descending order

70 papers	1,402 citations	331670 21 h-index	361022 35 g-index
79 all docs	79 docs citations	79 times ranked	1564 citing authors

#	Article	IF	Citations
1	Superior Monitoring of Chemical Exposure Using Nanoconfinement Technology. Military Medicine, 2021, 186, 795-800.	0.8	1
2	Green Process for Preparation of Nickel Hydroxide Films and Membranes. Journal of Materials Engineering and Performance, 2020, 29, 5602-5608.	2.5	4
3	Reduction and Immobilization of Chromate Using Nanometric Pyrite. Journal of Materials Engineering and Performance, 2020, 29, 5557-5563.	2.5	3
4	Doping Efficiency in Cobalt-Doped ZnO Nanostructured Materials. Journal of Nanomaterials, 2019, 2019, 1-13.	2.7	47
5	Catalytic co-pyrolysis of red cedar with methane to produce upgraded bio-oil. Bioresource Technology, 2019, 285, 121299.	9.6	24
6	Methods for the reaction of alkenes with activated tungstic acid. Heliyon, 2019, 5, e02780.	3.2	1
7	Experimental and Computation Studies of the Reaction of Hydrogen Peroxide and Methyl Hydroperoxide on Molybdenum Hydrogen Bronze Surfaces. Topics in Catalysis, 2018, 61, 1183-1192.	2.8	2
8	Mass-Transfer Coefficient as an Indicator of Resin Performance: Impacts of Film-Forming Amines and Storage Time on Condensate Polishing Ion-Exchange Resins. Industrial & Engineering Chemistry Research, 2018, 57, 10601-10608.	3.7	3
9	Exceptional sorption behaviour of porous tungsten oxide for aqueous lead. Environmental Science: Water Research and Technology, 2017, 3, 429-432.	2.4	0
10	Co-Pyrolysis of torrefied biomass and methane over molybdenum modified bimetallic HZSM-5 catalyst for hydrocarbons production. Green Chemistry, 2017, 19, 757-768.	9.0	35
11	Imaging the presence of silane coatings in concrete with micro X-ray fluorescence. Cement and Concrete Research, 2017, 92, 121-127.	11.0	36
12	Discovery of Unprecedented Ionâ€“exchange Behavior of Nanometric Scheelite Prepared from Singleâ€Source Precursors. ChemistrySelect, 2016, 1, 3685-3692.	1.5	1
13	Integration of biomass catalytic pyrolysis and methane aromatization over Mo/HZSM-5 catalysts. Journal of Analytical and Applied Pyrolysis, 2016, 120, 484-492.	5.5	46
14	The preparation and chemical reaction kinetics of tungsten bronze thin films and nitrobenzene with and without a catalyst. Surface Science, 2016, 648, 345-351.	1.9	2
15	Reduction of chromate by molybdenum hydrogen bronze. Canadian Journal of Chemistry, 2016, 94, 401-405.	1.1	1
16	Bimetallic single-source precursor for the synthesis of pure nanocrystalline room temperature-stabilized Î²-NiMoO 4. Ceramics International, 2016, 42, 1366-1372.	4.8	8
17	Sodium Dithionite Purity and Decomposition Products in Solid Samples Spanning 50 Years. Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190, 158-169.	1.6	2
18	Density-functional studies of hydrogen peroxide adsorption and dissociation on MoO₃(100) and H_{0.33}MoO₃(100) surfaces. RSC Advances, 2015, 5, 97755-97763.	3.6	8

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19	Sorption of lead from aqueous solutions by a commercially available tungsten trioxide nanopowder. RSC Advances, 2015, 5, 68991-68997.	3.6	3
20	Preparation of Zirconium Oxide Powder Using Zirconium Carboxylate Precursors. Advances in Physical Chemistry, 2014, 2014, 1-8.	2.0	8
21	Passive Wireless Detection of Corrosive Salts in Concrete Using Wire-Based Triggers. Journal of Materials in Civil Engineering, 2014, 26, 918-922.	2.9	6
22	Wireless Crack Detection in Concrete Elements Using Conductive Surface Sensors and Radio Frequency Identification Technology. Journal of Materials in Civil Engineering, 2014, 26, 923-929.	2.9	22
23	Titaniaâ€“Hydroxypropyl Cellulose Thin Films for the Detection of Peroxide Vapors. ACS Applied Materials & Interfaces, 2014, 6, 10205-10212.	8.0	8
24	Direct conversion of a nanometric suspension of molybdenum trioxide into nanometric lead molybdate. CrystEngComm, 2014, 16, 2869.	2.6	6
25	Synthesis of Zirconium Oxide at Low Temperature Using Zirconium Benzilate: An Experimental and Computational Study. Science of Advanced Materials, 2014, 6, 1438-1444.	0.7	1
26	Acetone Condensation Over Sulfated Zirconia Catalysts. Catalysis Letters, 2013, 143, 705-716.	2.6	10
27	Rapid Quantification of Sodium Dithionite by Ion Chromatography. Industrial & Engineering Chemistry Research, 2012, 51, 7742-7746.	3.7	9
28	Remediation of arsenic and lead with nanocrystalline zinc sulfide. Nanotechnology, 2012, 23, 294014.	2.6	15
29	Iron-rich Oklahoma clays as a natural source of chromium in monitoring wells. Journal of Environmental Monitoring, 2011, 13, 3380.	2.1	2
30	Follow-up study on the effects on well chemistry from biological and chemical remediation of chlorinated solvents. Journal of Environmental Monitoring, 2011, 13, 2521.	2.1	1
31	Benzylation of benzene over sulfated zirconia supported in MCM-41 using a single source precursor. Catalysis Science and Technology, 2011, 1, 621.	4.1	19
32	Metal ion adsorption using polyamine-functionalized mesoporous materials prepared from bromopropyl-functionalized mesoporous silica. Journal of Hazardous Materials, 2010, 182, 581-590.	12.4	55
33	Direct synthesis of dimethyl carbonate from methanol and carbon dioxide using heteropolyoxometalates: the effects of cation and addenda atoms. Transition Metal Chemistry, 2010, 35, 927-931.	1.4	24
34	Synthesis and characterization of a hexagonal mesoporous silica with enhanced thermal and hydrothermal stabilities. Applied Surface Science, 2010, 256, 3573-3580.	6.1	33
35	Synthesis and Properties of Anion Exchangers Derived from Chloromethyl Styrene Codivinylbenzene and Their Use in Water Treatment. International Journal of Polymer Science, 2010, 2010, 1-9.	2.7	25
36	Synthesis of mesoporous silica grafted with 3-glycidoxypropyltrimethoxyâ€“silane. Materials Letters, 2009, 63, 2331-2334.	2.6	13

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37	Synthesis, X-ray crystal structure, spectroscopic characterization, and thermal chemistry precursor for nano-crystalline zincite. Main Group Chemistry, 2008, 7, 65-81.	0.8	4
38	Corrosion resistance properties of Ormosil coatings on 2024-T3 aluminum alloy. Progress in Organic Coatings, 2004, 50, 231-246.	3.9	113
39	Effect of solvent dilution on corrosion protective properties of Ormosil coatings on 2024-T3 aluminum alloy. Progress in Organic Coatings, 2004, 51, 36-46.	3.9	36
40	The Novel Synthesis of La0.8Sr0.2MnO3 Using the Michael-Addition Directed Hydrogelation of Acrylates for Materials Synthesis (MADHAMS) Method. Chemistry of Materials, 2004, 16, 5336-5343.	6.7	12
41	Preparation of micron-sized spherical porous iron oxide particles. Journal of Materials Chemistry, 2003, 13, 983-985.	6.7	27
42	Reductive Dechlorination of Chloromethanes Using Tungsten and Molybdenum Hydrogen Bronzes or Sodium Hypophosphite. ACS Symposium Series, 2002, , 154-164.	0.5	2
43	Improved Method for Dehydrating Secondary Alcohols Using Inorganic Sulfates Supported on Silica in Refluxing Octane. Industrial & Engineering Chemistry Research, 2002, 41, 2611-2616.	3.7	1
44	Direct Evidence for an Ion-by-Ion Deposition Mechanism in Solution Growth of CdS Thin Films. Chemistry of Materials, 1998, 10, 710-717.	6.7	42
45	Preparation of Nickel Ferrite Using Liquid Metal Carboxylates. Chemistry of Materials, 1998, 10, 1265-1269.	6.7	18
46	Liquid Metal Carboxylates as Precursors for Aluminum-Containing Ceramics. Comments on Inorganic Chemistry, 1998, 20, 83-99.	5.2	1
47	Synthesis and Spectroscopic and Thermal Decomposition Studies of Alkali Metal Salts of 2-Oximidopropionate. Inorganic Chemistry, 1997, 36, 2656-2661.	4.0	15
48	Synthesis, Thermal Behavior, and Structure of Hexaaquanickel(II) Chloro(hydrogenethylenediaminetetraacetato)ferrate(III):Â A Molecular Precursor for Stoichiometric Nickel Ferrite. Chemistry of Materials, 1996, 8, 650-655.	6.7	18
49	From minerals to materials: synthesis of alumoxanes from the reaction of boehmite with carboxylic acids. Journal of Materials Chemistry, 1995, 5, 331-341.	6.7	122
50	Metal Organic Precursors for Yttria. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 93, 481-482.	1.6	9
51	Low-Temperature Precursors for Titanium Oxide. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 93, 479-480.	1.6	8
52	Tris-triphenylsiloxy compounds of aluminum, II: Molecular structure of Al(OSiPh3)3(OEt2). Journal of Crystallographic and Spectroscopic Research, 1993, 23, 529-532.	0.2	10
53	Siloxy-substituted alumoxanes: synthesis from polydialkylsiloxanes and trimethylaluminium, and application as aluminosilicate precursors. Journal of Materials Chemistry, 1993, 3, 597.	6.7	28
54	Tris-triphenylsiloxy compounds of aluminium. Canadian Journal of Chemistry, 1992, 70, 771-778.	1.1	34

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55	Synthesis and characterization of triethylsiloxy-substituted alumoxanes: their structural relationship to the minerals boehmite and diaspore. Chemistry of Materials, 1992, 4, 167-182.	6.7	69
56	Oxidation and hydrolysis of tris-tert-butylgallium. Polyhedron, 1992, 11, 477-486.	2.2	99
57	Negative hyperconjugation in hexachloro-3-cyclopentenylaminosulphenyl halides: Preparation and X-ray structure of C5Cl6NSBr and synthesis of C5Cl6NS+AsF6â^'. Canadian Journal of Chemistry, 1991, 69, 1022-1027.	1.1	7
58	Chemical vapour deposition of aluminium silicate thin films. Journal of Materials Chemistry, 1991, 1, 143.	6.7	21
59	Synthesis and structure of the norbornene adduct of 1,3,5,2,4,6-trithiatriazinium tetrachloroaluminate [C7H10.cntdot.S3N3][AlCl4] [Erratum to document cited in CA114(25):247242e]. Inorganic Chemistry, 1991, 30, 5052-5052.	4.0	0
60	Synthesis and structure of the norbornene adduct of 1,3,5,2,4,6-trithiatriazinium tetrachloroaluminate [C7H10.cntdot.S3N3][AlCl4]. Inorganic Chemistry, 1991, 30, 1392-1396.	4.0	9
61	The molecular structure of (allyl)bis(methylcyclopentadienyl)niobium(III). Polyhedron, 1991, 10, 1075-1078.	2.2	7
62	Synthetic applications and spectroscopic investigations of the (NSCl)3â€“SO2Cl2 system. Canadian Journal of Chemistry, 1990, 68, 650-654.	1.1	11
63	Cleavage of poly(diorganosiloxanes) by trimethylaluminum. Organometallics, 1990, 9, 2137-2141.	2.3	50
64	Aldol condensation of ketones promoted by sterically crowded aryloxy compounds of aluminum. Organometallics, 1990, 9, 2529-2534.	2.3	29
65	Preparation of thiazyl tetrachloroaluminate and trifluoromethanesulfonate and reactions of the thiazyl cation with thiadiazoles and organoselenium halides: x-ray crystal structure of [N2S2SeCl][AlCl4]. Inorganic Chemistry, 1990, 29, 1643-1648.	4.0	14
66	Synthetic and mechanistic investigations of the reactions of organic nitriles with thiazyl chloride and the thermolysis of 1,3-dichloro-1,3,2,4,6-dithiatriazines. Inorganic Chemistry, 1989, 28, 4544-4548.	4.0	11
67	Cycloaddition Reactions of (NSCl)3with Organic Nitriles. Phosphorus, Sulfur and Silicon and the Related Elements, 1989, 41, 439-447.	1.6	3
68	Preparation and X-ray crystal structures of the arsenic pentafluoride adducts of benzo-2,1,3-thiadiazole and benzo-1,2,3-thiadiazole. Canadian Journal of Chemistry, 1986, 64, 849-853.	1.1	15
69	Preparation and x-ray crystal structure of pentaiodine(1+) hexafluoroarsenate(1-) and electronic structure of the pentaiodine(1+) cation. Inorganic Chemistry, 1986, 25, 422-426.	4.0	42
70	Convenient synthesis of thiazyl hexafluoroarsenate(V), [SN]+[AsF6]-, and small quantities of thiazyl fluoride, NSF. Inorganic Chemistry, 1986, 25, 4451-4452.	4.0	24