

Andrew P Purdy

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Photoluminescence dynamics in ensembles of wide-band-gap nanocrystallites and powders. <i>Journal of Applied Physics</i> , 2004, 96, 675-682.	2.5	110
2	Ammonothermal Synthesis of Cubic Gallium Nitride. <i>Chemistry of Materials</i> , 1999, 11, 1648-1651.	6.7	97
3	Lithium dicyanamide, its reactions with cyanuric chloride, and the crystal structures of $\text{LiN}(\text{CN})_2(\text{MeCN})_2$ and $\text{LiCN}(\text{C}_5\text{H}_5\text{N})_2$. <i>Polyhedron</i> , 1997, 16, 3671-3679.	2.2	55
4	Volatile copper and barium-copper alkoxides. Crystal structure of a tricoordinate copper(II) complex, $\text{Ba}(\text{Cu}[\text{OCMe}(\text{CF}_3)_2]_3)_2$. <i>Inorganic Chemistry</i> , 1991, 30, 1969-1970.	4.0	47
5	Reactions of $(\text{Me}_3\text{SiCH}_2)_2\text{AsSiMe}_3$ with gallium halides; crystal structure and dynamic NMR study of the dimer $[[(\text{Me}_3\text{SiCH}_2)_2\text{As}]_2\text{GaBr}]_2$. <i>Organometallics</i> , 1987, 6, 2099-2105.	2.3	40
6	Synthesis, Structure, and Thiolytic Reactions of Pyridine Soluble Alkaline Earth and Yttrium Thiolates. <i>Inorganic Chemistry</i> , 1997, 36, 3370-3375.	4.0	33
7	Structure and properties of heterometallic alkoxides containing copper(I). <i>Polyhedron</i> , 1995, 14, 761-769.	2.2	30
8	Title is missing!. <i>Journal of Cluster Science</i> , 2002, 13, 469-486.	3.3	23
9	Electrical and ionic conductivity effects on magic-angle spinning nuclear magnetic resonance parameters of CuI. <i>Journal of Chemical Physics</i> , 2010, 133, 234509.	3.0	22
10	Understanding Oxygen Reduction on Tantalum Oxyphosphate and Tantalum Oxide Supported Platinum by X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18175-18183.	3.1	22
11	Synthesis, crystal structure, and reactivity of alkali and silver salts of sulfonated imidazoles. <i>Polyhedron</i> , 2007, 26, 3930-3938.	2.2	20
12	Sonochemical Synthesis of Air-Insensitive Carbide-Stabilized Hafnium Subhydride Nanopowder. <i>Chemistry of Materials</i> , 2009, 21, 3469-3472.	6.7	18
13	Sonochemically Generated Air-Stable Bimetallic Nanopowders of Group 4 Transition Metals with Aluminum. <i>Chemistry of Materials</i> , 2013, 25, 818-824.	6.7	17
14	Pressure-Induced Polymerization of $\text{LiN}(\text{CN})_2$. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9370-9377.	2.5	15
15	Tetracyanomethane under Pressure: Extended CN Polymers from Precursors with Built-in sp^3 Centers. <i>Journal of Physical Chemistry A</i> , 2018, 122, 2858-2863.	2.5	14
16	Ultraviolet Raman scattering of GaN nanocrystallites: Intrinsic versus collective phenomena. <i>Journal of Applied Physics</i> , 2005, 97, 024302.	2.5	13
17	Temperature response and anharmonicity of the optical phonons in GaN nanowires. <i>Journal of Applied Physics</i> , 2005, 98, 026106.	2.5	11
18	Syntheses of Sublimable Carbon Nitride Materials. <i>Main Group Chemistry</i> , 1998, 2, 207-213.	0.8	10

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19	Ammonothermal Crystal Growth of Germanium and Its Alloys: Synthesis of a Hollow Metallic Crystal. <i>Crystal Growth and Design</i> , 2003, 3, 121-124.	3.0	10
20	Impact of ultraviolet-laser heating on the photoluminescence of ensembles of GaN microcrystallites. <i>Applied Physics Letters</i> , 2003, 83, 764-766.	3.3	10
21	Crystal structures of the Ba-Cu(I) alkoxides Ba ₄ Cu ₆ (O)(OCe ₃) ₁₂ and BaCu ₆ (OCe ₃) ₈ . <i>Polyhedron</i> , 1998, 17, 4041-4048.	2.2	9
22	P(CN) ₃ Precursor for Carbon Phosphonitride Extended Solids. <i>Chemistry of Materials</i> , 2015, 27, 4507-4510.	6.7	8
23	The synthesis of hafnium nanomaterials by alkali metal reduction of hafnium tetrachloride. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5435-5448.	1.9	7
24	Photoelectrochemical Oxidation Enhanced by Nitride Plasmonics. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13863-13868.	3.1	7
25	Photoelectrochemical Methanol Oxidation Under Visible and UV Excitation of TiO ₂ -Supported TiN and ZrN Plasmonic Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2021, 168, 016503.	2.9	7
26	Spatially correlated distributions of local metallic properties in bulk and nanocrystalline GaN. <i>Physical Review B</i> , 2017, 95, .	3.2	6
27	Synthesis of early transition metal oxide nanomaterials and their conversion to nitrides. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	6
28	Visible light driven oxidation of harmful 2-Chloroethyl ethyl sulfide using SiO ₂ -TiO ₂ composite particles and air. <i>Colloids and Interface Science Communications</i> , 2021, 41, 100362.	4.1	6
29	Surface- and Structural-Dependent Reactivity of Titanium Oxide Nanostructures with 2-Chloroethyl Ethyl Sulfide under Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 9655-9666.	8.0	6
30	Surface Passivated Air and Moisture Stable Mixed Zirconium Aluminum Metal-Hydride Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1056, 1.	0.1	5
31	Synthesis and Structure of Sn ₁₄ Cl ₆ (CH ₂ SiMe ₃) ₁₂ : Toward Nanoclusters of 4-Coordinate \bar{I} -Sn. <i>Inorganic Chemistry</i> , 2018, 57, 4921-4925.	4.0	4
32	Octakis($\frac{1}{3}$ -tert-butylthiolato)bis(tert-butylthiolato)hexakis(1-methylpyrrolidin-2-one)- $\frac{1}{6}$ -sulfido-hexabarium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m342-m344.	0.2	3
33	Aluminum Nanoparticle Synthesis by Reduction of Halides with Na/K. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1056, 1.	0.1	3
34	Sonochemical synthesis of reactive boron nanomaterials and their combustion properties. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1758, 13.	0.1	3
35	The Use of Tris(Trimethylsilyl)arsine to Deposit GaAs by OMCVD. <i>Materials Research Society Symposia Proceedings</i> , 1990, 204, 107.	0.1	2
36	Red shifted-Photoluminescence of Ensembles of GaN Nano-Crystallites. <i>Materials Research Society Symposia Proceedings</i> , 2003, 776, 111.	0.1	2

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37	Synthesis and Microstructure of Porous Aluminum and Intermetallic Nanomaterials. Materials Research Society Symposia Proceedings, 2011, 1295, 291.	0.1	2
38	High-pressure phase transition of alkali metal-transition metal deuteride Li ₂ PdD ₂ . Journal of Chemical Physics, 2017, 146, 234506.	3.0	2
39	catena-Poly[copper(II)-bis(1/4-2-ethyl-5-methylimidazole-4-sulfonato-1/3N ₃ O ₄)]. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1303-m1304.	0.2	1
40	Diaquabis(2-ethyl-5-methylimidazole-4-sulfonato-1/3N ₃ O ₄)nickel(II) dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, m18-m19.	0.2	1
41	Poly[tetrakis(1/4-1,1,1,3,3,3-hexafluoropropan-2-olato)iron(II)dipotassium]. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, m32-m33.	0.2	1
42	Synthesis, plasmonic properties, and CWA simulant decontamination activity of first row early transition metal nitride powders and nanomaterials. SN Applied Sciences, 2020, 2, 1.	2.9	1
43	Structural and theoretical studies of 4-chloro-2-methyl-6-oxo-3,6-dideuteropyrimidin-1-ium chloride (1/3N ₃ O ₄). Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 390-395.	0.5	1
44	Potassium chloridotris(hypersiloxy)aluminate dimer. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 714-716.	0.5	1
45	A solid, amorphous, lithiated carbon phosphonitride displaying lithium ion conductivity. Journal of Solid State Chemistry, 2022, 305, 122649.	2.9	1
46	Lithium ion mobility in oligomerized and polymerized lithium dicyanamide. MRS Advances, 2022, 7, 433-437.	0.9	1
47	Optical Interactions and Photoluminescence Properties of Wide-Bandgap Nanocrystallites. Materials Research Society Symposia Proceedings, 2003, 789, 63.	0.1	0
48	Origins of Light Emission and Efficiency Saturation of the Photoluminescence of GaN Nanocrystallites. Materials Research Society Symposia Proceedings, 2003, 798, 659.	0.1	0
49	Bis(1/5-pentamethylcyclopentadienyl)aluminium tetrabromidoaluminate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, m88-m89.	0.2	0
50	Synthesis, structure, and theoretical studies of a calcium complex of a unique dianion derived from 1-methylpyrrolidin-2-one. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 70-74.	0.5	0
51	1/4-Methylene-bis[dibromido(diethyl ether-1/3O)]aluminium(III): crystal structure and chemical exchange in solution. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 647-652.	0.5	0
52	Tetrakis(1/4-1,1,1,3,3,3-hexafluoro-2-(trifluoromethyl)propan-2-olato)tetrakis(1/4-2-methylpropan-2-olato)aluminum(III) hexafluoroantimonate. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 668-671.	0.3	0
53	The crystal structure of the decaaluminum alkoxide cluster Al ₁₀ O ₄ (OH) ₈ ·14H ₂ O. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 79-82.	0.5	0
54	Tetramethylammonium (1/3N)-1/3-cyanocarbamimidate. IUCrData, 2021, 6, .	0.3	0

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55	The structures of 1:1 and 1:2 adducts of phosphanetricarbonitrile with 1,4-diazabicyclo[2.2.2]octane. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 1190-1196.	0.5	0