

# Andrew P Purdy

## List of Publications by Year in descending order

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55  
papers

713  
citations

623734

14  
h-index

552781

26  
g-index

55  
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55  
docs citations

55  
times ranked

755  
citing authors

#	ARTICLE	IF	CITATIONS
1	A solid, amorphous, lithiated carbon phosphonitride displaying lithium ion conductivity. <i>Journal of Solid State Chemistry</i> , 2022, 305, 122649.	2.9	1
2	Surface- and Structural-Dependent Reactivity of Titanium Oxide Nanostructures with 2-Chloroethyl Ethyl Sulfide under Ambient Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 9655-9666.	8.0	6
3	Lithium ion mobility in oligomerized and polymerized lithium dicyanamide. <i>MRS Advances</i> , 2022, 7, 433-437.	0.9	1
4	Photoelectrochemical Methanol Oxidation Under Visible and UV Excitation of TiO <sub>2</sub> -Supported TiN and ZrN Plasmonic Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2021, 168, 016503.	2.9	7
5	Synthesis, structure, and theoretical studies of a calcium complex of a unique dianion derived from 1-methylpyrrolidin-2-one. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 70-74.	0.5	0
6	Visible light driven oxidation of harmful 2-Chloroethyl ethyl sulfide using SiO <sub>2</sub> -TiO <sub>2</sub> composite particles and air. <i>Colloids and Interface Science Communications</i> , 2021, 41, 100362.	4.1	6
7	Structural and theoretical studies of 4-chloro-2-methyl-6-oxo-3,6-dideuteropyrimidin-1-ium chloride ( <i>d</i> <sup>6</sup> ). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 390-395.	0.5	1
8	¼-Methylene-bis[dibromido(diethyl ether- <i>O</i> )aluminium(III)]: crystal structure and chemical exchange in solution. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 647-652.	0.5	0
9	Tetrakis[¼-1,1,1,3,3,3-hexafluoro-2-(trifluoromethyl)propan-2-olato]tetrakis[¼-2-methylpropan-2-olato]acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 668-671.	0.3	0
10	The crystal structure of the decaaluminum alkoxide cluster Al <sub>10</sub> O <sub>4</sub> (OH) <sub>8</sub> · 14L (L = Tj ETQq 0 0 0 rgBT /Overlock 10 Tf 50 382 Td Communications, 2021, 77, 79-82.	0.5	0
11	Tetramethylammonium ( <i>Z</i> )- <i>N</i> - $\epsilon^2$ -cyanocarbamimidate. <i>IUCrData</i> , 2021, 6, .	0.3	0
12	The structures of 1:1 and 1:2 adducts of phosphanetricarbonitrile with 1,4-diazabicyclo[2.2.2]octane. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 1190-1196.	0.5	0
13	Synthesis of early transition metal oxide nanomaterials and their conversion to nitrides. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	6
14	Synthesis, plasmonic properties, and CWA simulant decontamination activity of first row early transition metal nitride powders and nanomaterials. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	1
15	Photoelectrochemical Oxidation Enhanced by Nitride Plasmonics. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13863-13868.	3.1	7
16	Potassium chloridotris(hypersiloxy)aluminate dimer. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 714-716.	0.5	1
17	Synthesis and Structure of Sn <sub>14</sub> Cl <sub>6</sub> (CH <sub>2</sub> SiMe <sub>3</sub> ) <sub>12</sub> : Toward Nanoclusters of 4-Coordinate $\bar{1}\pm$ -Sn. <i>Inorganic Chemistry</i> , 2018, 57, 4921-4925.	4.0	4
18	Tetracyanomethane under Pressure: Extended CN Polymers from Precursors with Built-in sp <sup>3</sup> Centers. <i>Journal of Physical Chemistry A</i> , 2018, 122, 2858-2863.	2.5	14

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19	Spatially correlated distributions of local metallic properties in bulk and nanocrystalline GaN. <i>Physical Review B</i> , 2017, 95, .	3.2	6
20	High-pressure phase transition of alkali metal–transition metal deuteride Li <sub>2</sub> PdD <sub>2</sub> . <i>Journal of Chemical Physics</i> , 2017, 146, 234506.	3.0	2
21	Pressure-Induced Polymerization of LiN(CN) <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , 2016, 120, 9370-9377.	2.5	15
22	Sonochemical synthesis of reactive boron nanomaterials and their combustion properties. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1758, 13.	0.1	3
23	P(CN) <sub>3</sub> Precursor for Carbon Phosphonitride Extended Solids. <i>Chemistry of Materials</i> , 2015, 27, 4507-4510.	6.7	8
24	Diaquabis(2-ethyl-5-methylimidazole-4-sulfonato- $\lambda^2$ -N <sup>3</sup> ,O)nickel(II) dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, m18-m19.	0.2	1
25	Poly[tetrakis( $\lambda^1$ -1,1,1,3,3,3-hexafluoropropan-2-olato)iron(II)dipotassium]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, m32-m33.	0.2	1
26	Bis( $\lambda^5$ -pentamethylcyclopentadienyl)aluminium tetrabromidoaluminate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, m88-m89.	0.2	0
27	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
28	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
29	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
30	Synthesis and Microstructure of Porous Aluminum and Intermetallic Nanomaterials. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1295, 291.	0.1	2
31	catena-Poly[copper(II)-bis( $\lambda^1$ -2-ethyl-5-methylimidazole-4-sulfonato- $\lambda^3$ N <sub>3</sub> O <sub>4</sub> :O <sub>4</sub> )]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m1303-m1304.	0.2	1
32	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
33	Sonochemical Synthesis of Air-Insensitive Carbide-Stabilized Hafnium Subhydride Nanopowder. <i>Chemistry of Materials</i> , 2009, 21, 3469-3472.	6.7	18
34	Aluminum Nanoparticle Synthesis by Reduction of Halides with Na/K. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1056, 1.	0.1	3
35	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
36	Synthesis, crystal structure, and reactivity of alkali and silver salts of sulfonated imidazoles. <i>Polyhedron</i> , 2007, 26, 3930-3938.	2.2	20

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37	Octakis( $\frac{1}{4}$ -tert-butylthiolato)bis(tert-butylthiolato)hexakis(1-methylpyrrolidin-2-one)- $\frac{1}{4}$ -sulfido-hexabarium(II). Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m342-m344.	0.2	3
38	Temperature response and anharmonicity of the optical phonons in GaN nanowires. Journal of Applied Physics, 2005, 98, 026106.	2.5	11
39	Ultraviolet Raman scattering of GaN nanocrystallites: Intrinsic versus collective phenomena. Journal of Applied Physics, 2005, 97, 024302.	2.5	13
40	Photoluminescence dynamics in ensembles of wide-band-gap nanocrystallites and powders. Journal of Applied Physics, 2004, 96, 675-682.	2.5	110
41	Ammonothermal Crystal Growth of Germanium and Its Alloys: Synthesis of a Hollow Metallic Crystal. Crystal Growth and Design, 2003, 3, 121-124.	3.0	10
42	Optical Interactions and Photoluminescence Properties of Wide-Bandgap Nanocrystallites. Materials Research Society Symposia Proceedings, 2003, 789, 63.	0.1	0
43	Origins of Light Emission and Efficiency Saturation of the Photoluminescence of GaN Nanocrystallites. Materials Research Society Symposia Proceedings, 2003, 798, 659.	0.1	0
44	Impact of ultraviolet-laser heating on the photoluminescence of ensembles of GaN microcrystallites. Applied Physics Letters, 2003, 83, 764-766.	3.3	10
45	Red shifted-Photoluminescence of Ensembles of GaN Nano-Crystallites. Materials Research Society Symposia Proceedings, 2003, 776, 111.	0.1	2
46	Title is missing!. Journal of Cluster Science, 2002, 13, 469-486.	3.3	23
47	Ammonothermal Synthesis of Cubic Gallium Nitride. Chemistry of Materials, 1999, 11, 1648-1651.	6.7	97
48	Crystal structures of the Ba <sup>2+</sup> -Cu(I) alkoxides Ba <sub>4</sub> Cu <sub>6</sub> (O)(OCe <sub>3</sub> ) <sub>12</sub> and BaCu <sub>6</sub> (OCe <sub>3</sub> ) <sub>8</sub> . Polyhedron, 1998, 17, 4041-4048.	2.2	9
49	Syntheses of Sublimable Carbon Nitride Materials. Main Group Chemistry, 1998, 2, 207-213.	0.8	10
50	Synthesis, Structure, and Thiolytic Reactions of Pyridine Soluble Alkaline Earth and Yttrium Thiolates. Inorganic Chemistry, 1997, 36, 3370-3375.	4.0	33
51	Lithium dicyanamide, its reactions with cyanuric chloride, and the crystal structures of LiN(CN) <sub>2</sub> (MeCN) <sub>2</sub> and LiCN(C <sub>5</sub> H <sub>5</sub> N) <sub>2</sub> . Polyhedron, 1997, 16, 3671-3679.	2.2	55
52	Structure and properties of heterometallic alkoxides containing copper(I). Polyhedron, 1995, 14, 761-769.	2.2	30
53	Volatile copper and barium-copper alkoxides. Crystal structure of a tricoordinate copper(II) complex, Ba(Cu[OCMe(CF <sub>3</sub> ) <sub>2</sub> ] <sub>3</sub> ) <sub>2</sub> . Inorganic Chemistry, 1991, 30, 1969-1970.	4.0	47
54	The Use of Tris(Trimethylsilyl)arsine to Deposit GaAs by OMCVD. Materials Research Society Symposia Proceedings, 1990, 204, 107.	0.1	2

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55	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