

# David Pugh

## List of Publications by Year in descending order

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60  
papers

2,151  
citations

304368

22  
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233125

45  
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64  
all docs

64  
docs citations

64  
times ranked

2349  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the cation structure on the properties of homobaric imidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 6453-6468.	1.3	6
2	Biomimics of [FeFe]-hydrogenases incorporating redox-active ligands: synthesis, redox properties and spectroelectrochemistry of diiron-dithiolate complexes with ferrocenyl-diphosphines as Fe <sub>4</sub> S <sub>4</sub> surrogates. <i>Dalton Transactions</i> , 2022, 51, 9748-9769.	1.6	11
3	First example of solid-state luminescent borasiloxane-based chiral helices assembled through Nâ€“B bonds. <i>Dalton Transactions</i> , 2021, 50, 3782-3785.	1.6	8
4	â€œPincerâ€“Pyridineâ€“Dicarbeneâ€“Iridium and â€“Ruthenium Complexes and Derivatives Thereof. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3359-3369.	1.0	5
5	MAS NMR Investigation of Molecular Order in an Ionic Liquid Crystal. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4975-4988.	1.2	17
6	Conformational design concepts for anions in ionic liquids. <i>Chemical Science</i> , 2020, 11, 6405-6422.	3.7	33
7	The effect of structural heterogeneity upon the microviscosity of ionic liquids. <i>Chemical Science</i> , 2020, 11, 6121-6133.	3.7	21
8	Stable metalâ€“organic frameworks with low water affinity built from methyl-siloxane linkers. <i>Chemical Communications</i> , 2020, 56, 7905-7908.	2.2	7
9	Structural and Dynamic Properties of Gallium Alkoxides. <i>Inorganic Chemistry</i> , 2019, 58, 10346-10356.	1.9	8
10	Metalâ€“Organic Frameworks Constructed from Group 1 Metals (Li, Na) and Silicon-Centered Linkers. <i>Crystal Growth and Design</i> , 2019, 19, 487-497.	1.4	12
11	Tetramethyl Orthosilicate (TMOS) as a Reagent for Direct Amidation of Carboxylic Acids. <i>Organic Letters</i> , 2018, 20, 950-953.	2.4	65
12	Trisiloxane-centred metalâ€“organic frameworks and hydrogen bonded assemblies. <i>CrystEngComm</i> , 2018, 20, 4541-4545.	1.3	4
13	Tuning operating temperature of BaSnO <sub>3</sub> gas sensor for reducing and oxidizing gases. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	4
14	Imidazolium-based ionic liquids with large weakly coordinating anions. <i>New Journal of Chemistry</i> , 2017, 41, 1677-1686.	1.4	7
15	Electrodeposition of Protocrystalline Germanium from Supercritical Difluoromethane. <i>ChemElectroChem</i> , 2016, 3, 726-733.	1.7	9
16	Complexes of Group 2 dications with soft thioether- and selenoether-containing macrocycles. <i>Dalton Transactions</i> , 2016, 45, 7900-7911.	1.6	15
17	A Versatile Precursor System for Supercritical Fluid Electrodeposition of Mainâ€“Group Materials. <i>Chemistry - A European Journal</i> , 2016, 22, 302-309.	1.7	17
18	Hexahalometallate salts of trivalent scandium, yttrium and lanthanum: cationâ€“anion association in the solid state and in solution. <i>New Journal of Chemistry</i> , 2016, 40, 7181-7189.	1.4	7

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19	A single-source precursor approach to solution processed indium arsenide thin films. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6761-6768.	2.7	19
20	Reactivity of vanadium oxytrichloride with $\beta^2$ -diketones and diesters as precursors for vanadium nitride and carbide. <i>Materials and Design</i> , 2016, 108, 780-790.	3.3	15
21	Photocatalytic Oxygen Evolution from Cobalt-Modified Nanocrystalline BiFeO <sub>3</sub> Films Grown via Low-Pressure Chemical Vapor Deposition from $\beta^2$ -Diketonate Precursors. <i>Crystal Growth and Design</i> , 2016, 16, 3818-3825.	1.4	20
22	Phase behaviour and conductivity of supporting electrolytes in supercritical difluoromethane and 1,1-difluoroethane. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14359-14369.	1.3	8
23	Synthesis and Characterisation of Various Diester and Triester Adducts of TiCl <sub>4</sub> . <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3666-3673.	1.0	2
24	Sodium Thioether Macrocyclic Chemistry: Remarkable Homoleptic Octathia Coordination to Na <sup>+</sup> . <i>Inorganic Chemistry</i> , 2015, 54, 2497-2499.	1.9	12
25	Cationic aza-macrocyclic complexes of germanium(II) and silicon(IV). <i>Dalton Transactions</i> , 2015, 44, 20898-20905.	1.6	15
26	Supercritical Fluid Electrodeposition of Elemental Germanium onto Titanium Nitride Substrates. <i>Journal of the Electrochemical Society</i> , 2015, 162, D619-D624.	1.3	12
27	Aza-macrocyclic complexes of the Group 1 cations $\text{Li}^+$ synthesis, structures and density functional theory study. <i>Dalton Transactions</i> , 2015, 44, 13853-13866.	1.6	26
28	Neutral thioether and selenoether macrocyclic coordination to Group 1 cations ( $\text{Li}^+$ - $\text{Cs}^+$ ) synthesis, spectroscopic and structural properties. <i>Dalton Transactions</i> , 2015, 44, 18748-18759.	1.6	15
29	Synthesis and Structural Characterization of $\beta^2$ -ketoiminate-stabilized Gallium Hydrides for Chemical Vapor Deposition Applications. <i>Chemistry - A European Journal</i> , 2014, 20, 10503-10513.	1.7	9
30	Halometallate Complexes of Germanium(II) and (IV): Probing the Role of Cation, Oxidation State and Halide on the Structural and Electrochemical Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 5019-5027.	1.7	26
31	The preparation and structure of Ge <sub>3</sub> F <sub>8</sub> a new mixed-valence fluoride of germanium, a convenient source of Ge <sub>2</sub> . <i>Dalton Transactions</i> , 2014, 43, 14514-14516.	1.6	4
32	Unexpected neutral aza-macrocyclic complexes of sodium. <i>Chemical Communications</i> , 2014, 50, 5843.	2.2	15
33	Tin(II) fluoride vs. tin(II) chloride a comparison of their coordination chemistry with neutral ligands. <i>Dalton Transactions</i> , 2013, 42, 8364.	1.6	39
34	Tribenzylphosphane and its hydrochloride salt, tribenzylphosphonium hydrogen dichloride tribenzylphosphane (1/1). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 560-564.	0.4	2
35	Phosphine and Diphosphine Complexes of Silicon(IV) Halides. <i>Inorganic Chemistry</i> , 2013, 52, 5185-5193.	1.9	15
36	Preparation and structures of coordination complexes of the very hard Lewis acids ZrF <sub>4</sub> and HfF <sub>4</sub> . <i>Dalton Transactions</i> , 2012, 41, 12548.	1.6	32

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37	Tantalum and Titanium doped In <sub>2</sub> O <sub>3</sub> Thin Films by Aerosol-Assisted Chemical Vapor Deposition and their Gas Sensing Properties. <i>Chemistry of Materials</i> , 2012, 24, 2864-2871.	3.2	61
38	Group 13 $\eta^2$ -Ketoiminate Compounds: Gallium Hydride Derivatives As Molecular Precursors to Thin Films of Ga <sub>2</sub> O <sub>3</sub> . <i>Inorganic Chemistry</i> , 2012, 51, 6385-6395.	1.9	33
39	Gallium Hydride Complexes Stabilised by Multidentate Alkoxide Ligands: Precursors to Thin Films of Ga <sub>2</sub> O <sub>3</sub> at Low Temperatures. <i>Chemistry - A European Journal</i> , 2012, 18, 6079-6087.	1.7	20
40	A novel route to Pt-Bi <sub>2</sub> O <sub>3</sub> composite thin films and their application in photo-reduction of water. <i>Inorganica Chimica Acta</i> , 2012, 380, 328-335.	1.2	27
41	Synthetic and Structural Studies of Donor-Functionalized Alkoxy Derivatives of Gallium. <i>Inorganic Chemistry</i> , 2011, 50, 9491-9498.	1.9	20
42	Novel ion pairs obtained from the reaction of titanium(IV) halides with simple arsane ligands. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2011, 67, m96-m99.	0.4	5
43	Di- $\eta^4$ -chlorido-bis[dichloridobis(methylamido- $\eta^2$ N)bis(methylamine- $\eta^2$ N)titanium(IV)]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2011, 67, m234-m236.	0.4	1
44	Gallium and Indium $\eta^2$ -diketonate Complexes: AACVD of [In(thd) <sub>3</sub> ] and the Attempted Synthesis of Gallium and Indium Bis( $\eta^2$ -diketonates). <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1953-1960.	1.0	24
45	Single-source precursors to gallium and indium oxide thin films. <i>Coordination Chemistry Reviews</i> , 2011, 255, 1293-1318.	9.5	73
46	Synthesis, AACVD and X-ray crystallographic structures of group 13 monoalkoxometallanes. <i>Main Group Chemistry</i> , 2010, 9, 31-40.	0.4	18
47	Syntheses, X-ray structures and CVD of titanium(IV) arsine complexes. <i>Dalton Transactions</i> , 2010, 39, 5325.	1.6	12
48	MOCVD of Zirconium Oxide from the Zirconium Guanidinate Complex [ZrCp <sup>2</sup> { $\eta^2$ -(iPrN) <sub>2</sub> CNMe <sub>2</sub> } <sub>2</sub> Cl]. <i>ECS Transactions</i> , 2009, 25, 561-565.	0.3	5
49	Structural and Reactivity Studies of $\sigma$ -Pincer-Pyridine Dicarbene Complexes of Fe <sup>0</sup> : Experimental and Computational Comparison of the Phosphine and NHC Donors. <i>Chemistry - A European Journal</i> , 2009, 15, 5491-5502.	1.7	102
50	Synthesis of Zirconium Guanidinate Complexes and the Formation of Zirconium Carbonitride via Low Pressure CVD. <i>Organometallics</i> , 2009, 28, 1838-1844.	1.1	30
51	Reactions of $\sigma$ -pincer pyridine dicarbene complexes of Fe(0) with silanes. <i>Dalton Transactions</i> , 2009, , 7189.	1.6	53
52	$\sigma$ -Pincer-Pyridine Dicarbene Iridium Complexes: Facile C <sub>2</sub> H <sub>2</sub> Activation and Unexpected $\eta^2$ -imidazolylidene Coordination. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9765-9767.	7.2	79
53	Copper and palladium complexes with N-heterocyclic carbene ligands functionalised with carboxylate groups. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3369-3374.	0.8	28
54	A method for the synthesis of nickel( $\sigma$ ) bis(carbene) complexes. <i>Dalton Transactions</i> , 2008, , 30-31.	1.6	43

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55	â€Pincerâ€™ pyridine dicarbene complexes of nickel and their derivatives. Unusual ring opening of a coordinated imidazol-2-ylidene. Dalton Transactions, 2008, , 1087.	1.6	89
56	Indenyl- and Fluorenyl-Functionalized N-Heterocyclic Carbene Complexes of Titanium, Zirconium, Vanadium, Chromium, and Yttrium. Organometallics, 2007, 26, 3762-3770.	1.1	96
57	Cyclometalated and Alkoxyphenyl-Substituted Palladium Imidazolin-2-ylidene Complexes. Synthetic, Structural, and Catalytic Studies. Organometallics, 2007, 26, 5627-5635.	1.1	74
58	Metal complexes with â€pincerâ€™-type ligands incorporating N-heterocyclic carbene functionalities. Coordination Chemistry Reviews, 2007, 251, 610-641.	9.5	594
59	â€Pincerâ€™ dicarbene complexes of some early transition metals and uranium. Dalton Transactions, 2006, , 775-782.	1.6	102
60	2,6-Dibromo-3,5-dimethylpyridine and 2,6-diiodo-3,5-dimethylpyridine. Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, o590-o592.	0.4	4