

# David Pugh

## List of Publications by Year in descending order

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60  
papers

2,151  
citations

304743

22  
h-index

233421

45  
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64  
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64  
docs citations

64  
times ranked

2349  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal complexes with $\pi$ -pincer <sup>TM</sup> -type ligands incorporating N-heterocyclic carbene functionalities. <i>Coordination Chemistry Reviews</i> , 2007, 251, 610-641.	18.8	594
2	$\pi$ -Pincer <sup>TM</sup> dicarbene complexes of some early transition metals and uranium. <i>Dalton Transactions</i> , 2006, , 775-782.	3.3	102
3	Structural and Reactivity Studies of $\sigma$ -Pincer <sup>TM</sup> -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.	3.3	102
4	Indenyl- and Fluorenyl-Functionalized N-Heterocyclic Carbene Complexes of Titanium, Zirconium, Vanadium, Chromium, and Yttrium. <i>Organometallics</i> , 2007, 26, 3762-3770.	2.3	96
5	$\pi$ -Pincer <sup>TM</sup> pyridine dicarbene complexes of nickel and their derivatives. Unusual ring opening of a coordinated imidazol-2-ylidene. <i>Dalton Transactions</i> , 2008, , 1087.	3.3	89
6	$\sigma$ -Pincer <sup>TM</sup> -Pyridine <sup>TM</sup> Dicarbene <sup>TM</sup> Iridium Complexes: Facile C-H Activation and Unexpected I <sup>2</sup> -imidazol <sup>2</sup> -ylidene Coordination. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9765-9767.	13.8	79
7	Cyclometalated and Alkoxyphenyl-Substituted Palladium Imidazol-2-ylidene Complexes. Synthetic, Structural, and Catalytic Studies. <i>Organometallics</i> , 2007, 26, 5627-5635.	2.3	74
8	Single-source precursors to gallium and indium oxide thin films. <i>Coordination Chemistry Reviews</i> , 2011, 255, 1293-1318.	18.8	73
9	Tetramethyl Orthosilicate (TMOS) as a Reagent for Direct Amidation of Carboxylic Acids. <i>Organic Letters</i> , 2018, 20, 950-953.	4.6	65
10	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.	6.7	61
11	Reactions of $\pi$ -pincer <sup>TM</sup> pyridine dicarbene complexes of Fe(0) with silanes. <i>Dalton Transactions</i> , 2009, , 7189.	3.3	53
12	A method for the synthesis of nickel( <sup>0</sup> ) bis(carbene) complexes. <i>Dalton Transactions</i> , 2008, , 30-31.	3.3	43
13	Tin(ii) fluoride vs. tin(ii) chloride <sup>TM</sup> a comparison of their coordination chemistry with neutral ligands. <i>Dalton Transactions</i> , 2013, 42, 8364.	3.3	39
14	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.	4.0	33
15	Conformational design concepts for anions in ionic liquids. <i>Chemical Science</i> , 2020, 11, 6405-6422.	7.4	33
16	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.	3.3	32
17	Synthesis of Zirconium Guanidinate Complexes and the Formation of Zirconium Carbonitride via Low Pressure CVD. <i>Organometallics</i> , 2009, 28, 1838-1844.	2.3	30
18	Copper and palladium complexes with N-heterocyclic carbene ligands functionalised with carboxylate groups. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3369-3374.	1.8	28

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19	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.	2.4	27
20	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.	3.3	26
21	Aza-macrocyclic complexes of the Group 1 cations – synthesis, structures and density functional theory study. <i>Dalton Transactions</i> , 2015, 44, 13853-13866.	3.3	26
22	Gallium and Indium <sup>II</sup> -diketonate Complexes: AACVD of [In(thd) <sub>3</sub> ] and the Attempted Synthesis of Gallium and Indium Bis( <sup>II</sup> -diketonates). <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1953-1960.	2.0	24
23	The effect of structural heterogeneity upon the microviscosity of ionic liquids. <i>Chemical Science</i> , 2020, 11, 6121-6133.	7.4	21
24	Synthetic and Structural Studies of Donor-Functionalized Alkoxy Derivatives of Gallium. <i>Inorganic Chemistry</i> , 2011, 50, 9491-9498.	4.0	20
25	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.	3.3	20
26	Photocatalytic Oxygen Evolution from Cobalt-Modified Nanocrystalline BiFeO <sub>3</sub> Films Grown via Low-Pressure Chemical Vapor Deposition from <sup>II</sup> -Diketonate Precursors. <i>Crystal Growth and Design</i> , 2016, 16, 3818-3825.	3.0	20
27	A single-source precursor approach to solution processed indium arsenide thin films. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6761-6768.	5.5	19
28	Synthesis, AACVD and X-ray crystallographic structures of group 13 monoalkoxometallanes. <i>Main Group Chemistry</i> , 2010, 9, 31-40.	0.8	18
29	A Versatile Precursor System for Supercritical Fluid Electrodeposition of Main-Group Materials. <i>Chemistry - A European Journal</i> , 2016, 22, 302-309.	3.3	17
30	MAS NMR Investigation of Molecular Order in an Ionic Liquid Crystal. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4975-4988.	2.6	17
31	Phosphine and Diphosphine Complexes of Silicon(IV) Halides. <i>Inorganic Chemistry</i> , 2013, 52, 5185-5193.	4.0	15
32	Unexpected neutral aza-macrocycle complexes of sodium. <i>Chemical Communications</i> , 2014, 50, 5843.	4.1	15
33	Cationic aza-macrocyclic complexes of germanium(II) and silicon(IV). <i>Dalton Transactions</i> , 2015, 44, 20898-20905.	3.3	15
34	Neutral thioether and selenoether macrocyclic coordination to Group 1 cations (Li-Cs) – synthesis, spectroscopic and structural properties. <i>Dalton Transactions</i> , 2015, 44, 18748-18759.	3.3	15
35	Complexes of Group 2 dications with soft thioether- and selenoether-containing macrocycles. <i>Dalton Transactions</i> , 2016, 45, 7900-7911.	3.3	15
36	Reactivity of vanadium oxytrichloride with <sup>II</sup> -diketones and diesters as precursors for vanadium nitride and carbide. <i>Materials and Design</i> , 2016, 108, 780-790.	7.0	15

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37	Syntheses, X-ray structures and CVD of titanium(IV) arsine complexes. Dalton Transactions, 2010, 39, 5325.	3.3	12
38	Sodium Thioether Macrocyclic Chemistry: Remarkable Homoleptic Octathia Coordination to Na <sup>+</sup> . Inorganic Chemistry, 2015, 54, 2497-2499.	4.0	12
39	Supercritical Fluid Electrodeposition of Elemental Germanium onto Titanium Nitride Substrates. Journal of the Electrochemical Society, 2015, 162, D619-D624.	2.9	12
40	Metal-Organic Frameworks Constructed from Group 1 Metals (Li, Na) and Silicon-Centered Linkers. Crystal Growth and Design, 2019, 19, 487-497.	3.0	12
41	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. Dalton Transactions, 2022, 51, 9748-9769.	3.3	11
42	Synthesis and Structural Characterization of $\eta^2$ -Ketoiminate-Stabilized Gallium Hydrides for Chemical Vapor Deposition Applications. Chemistry - A European Journal, 2014, 20, 10503-10513.	3.3	9
43	Electrodeposition of Protocrystalline Germanium from Supercritical Difluoromethane. ChemElectroChem, 2016, 3, 726-733.	3.4	9
44	Phase behaviour and conductivity of supporting electrolytes in supercritical difluoromethane and 1,1-difluoroethane. Physical Chemistry Chemical Physics, 2016, 18, 14359-14369.	2.8	8
45	Structural and Dynamic Properties of Gallium Alkoxides. Inorganic Chemistry, 2019, 58, 10346-10356.	4.0	8
46	First example of solid-state luminescent borasiloxane-based chiral helices assembled through N-B bonds. Dalton Transactions, 2021, 50, 3782-3785.	3.3	8
47	Hexahalometallate salts of trivalent scandium, yttrium and lanthanum: cation-anion association in the solid state and in solution. New Journal of Chemistry, 2016, 40, 7181-7189.	2.8	7
48	Imidazolium-based ionic liquids with large weakly coordinating anions. New Journal of Chemistry, 2017, 41, 1677-1686.	2.8	7
49	Stable metal-organic frameworks with low water affinity built from methyl-siloxane linkers. Chemical Communications, 2020, 56, 7905-7908.	4.1	7
50	Effect of the cation structure on the properties of homobaric imidazolium ionic liquids. Physical Chemistry Chemical Physics, 2022, 24, 6453-6468.	2.8	6
51	MOCVD of Zirconium Oxide from the Zirconium Guanidinate Complex [ZrCp <sup>2</sup> { $\eta$ -2-(iPrN)2CNMe2}2Cl]. ECS Transactions, 2009, 25, 561-565.	0.5	5
52	Novel ion pairs obtained from the reaction of titanium(IV) halides with simple arsane ligands. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, m96-m99.	0.4	5
53	$\pi$ -Pincer-Pyridine-Dicarbene-Iridium and Ruthenium Complexes and Derivatives Thereof. European Journal of Inorganic Chemistry, 2020, 2020, 3359-3369.	2.0	5
54	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

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55	The preparation and structure of Ge <sub>3</sub> F <sub>8</sub> a new mixed-valence fluoride of germanium, a convenient source of GeF <sub>2</sub> . Dalton Transactions, 2014, 43, 14514-14516.	3.3	4
56	Trisiloxane-centred metal-organic frameworks and hydrogen bonded assemblies. CrystEngComm, 2018, 20, 4541-4545.	2.6	4
57	Tuning operating temperature of BaSnO <sub>3</sub> gas sensor for reducing and oxidizing gases. AIP Conference Proceedings, 2018, , .	0.4	4
58	Tribenzylphosphane and its hydrochloride salt, tribenzylphosphonium hydrogen dichloride tribenzylphosphane (1/1). Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 560-564.	0.4	2
59	Synthesis and Characterisation of Various Diester and Triester Adducts of TiCl <sub>4</sub> . European Journal of Inorganic Chemistry, 2015, 2015, 3666-3673.	2.0	2
60	Di- <sup>1</sup> / <sub>4</sub> -chlorido-bis[dichloridobis(methylamido- <sup>15</sup> N)bis(methylamine- <sup>15</sup> N)titanium(IV)]. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, m234-m236.	0.4	1