David Pugh

List of Publications by Year
in descending order

60	2,151	304743	233421
papers	citations	22	45
		h-index	g-index

64	64	64	2349
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of the cation structure on the properties of homobaric imidazolium ionic liquids. Physical Chemistry Chemical Physics, 2022, 24, 6453-6468.	2.8	6
2	Biomimics of [FeFe]-hydrogenases incorporating redox-active ligands: synthesis, redox properties and spectroelectrochemistry of diiron-dithiolate complexes with ferrocenyl-diphosphines as Fe₄S₄ surrogates. Dalton Transactions, 2022, 51, 9748-9769.	3.3	11
3	First example of solid-state luminescent borasiloxane-based chiral helices assembled through Nâ€“B bonds. Dalton Transactions, 2021, 50, 3782-3785.	3.3	8
4	â€œPincerâ€•Pyridineâ€“Dicarbeneâ€“Iridium and â€Ruthenium Complexes and Derivatives Thereof. European Journal of Inorganic Chemistry, 2020, 2020, 3359-3369.	2.0	5
5	MAS NMR Investigation of Molecular Order in an Ionic Liquid Crystal. Journal of Physical Chemistry B, 2020, 124, 4975-4988.	2.6	17
6	Conformational design concepts for anions in ionic liquids. Chemical Science, 2020, 11, 6405-6422.	7.4	33
7	The effect of structural heterogeneity upon the microviscosity of ionic liquids. Chemical Science, 2020, 11, 6121-6133.	7.4	21
8	Stable metalâ€“organic frameworks with low water affinity built from methyl-siloxane linkers. Chemical Communications, 2020, 56, 7905-7908.	4.1	7
9	Structural and Dynamic Properties of Gallium Alkoxides. Inorganic Chemistry, 2019, 58, 10346-10356.	4.0	8
10	Metalâ€“Organic Frameworks Constructed from Group 1 Metals (Li, Na) and Silicon-Centered Linkers. Crystal Growth and Design, 2019, 19, 487-497.	3.0	12
11	Tetramethyl Orthosilicate (TMOS) as a Reagent for Direct Amidation of Carboxylic Acids. Organic Letters, 2018, 20, 950-953.	4.6	65
12	Trisiloxane-centred metalâ€“organic frameworks and hydrogen bonded assemblies. CrystEngComm, 2018, 20, 4541-4545.	2.6	4
13	Tuning operating temperature of BaSnO3 gas sensor for reducing and oxidizing gases. AIP Conference Proceedings, 2018, , .	0.4	4
14	Imidazolium-based ionic liquids with large weakly coordinating anions. New Journal of Chemistry, 2017, 41, 1677-1686.	2.8	7
15	Electrodeposition of Protocrystalline Germanium from Supercritical Difluoromethane. ChemElectroChem, 2016, 3, 726-733.	3.4	9
16	Complexes of Group 2 dications with soft thioether- and selenoether-containing macrocycles. Dalton Transactions, 2016, 45, 7900-7911.	3.3	15
17	A Versatile Precursor System for Supercritical Fluid Electrodeposition of Mainâ€Group Materials. Chemistry - A European Journal, 2016, 22, 302-309.	3.3	17
18	Hexahalometallate salts of trivalent scandium, yttrium and lanthanum: cationâ€“anion association in the solid state and in solution. New Journal of Chemistry, 2016, 40, 7181-7189.	2.8	7

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19	A single-source precursor approach to solution processed indium arsenide thin films. Journal of Materials Chemistry C, 2016, 4, 6761-6768.	5.5	19
20	Reactivity of vanadium oxytrichloride with Î²-diketones and diesters as precursors for vanadium nitride and carbide. Materials and Design, 2016, 108, 780-790.	7.0	15
21	Photocatalytic Oxygen Evolution from Cobalt-Modified Nanocrystalline BiFeO3 Films Grown via Low-Pressure Chemical Vapor Deposition from Î²-Diketonate Precursors. Crystal Growth and Design, 2016, 16, 3818-3825.	3.0	20
22	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
23	Synthesis and Characterisation of Various Diester and Triester Adducts of TiCl₄. European Journal of Inorganic Chemistry, 2015, 2015, 3666-3673.	2.0	2
24	Sodium Thioether Macrocyclic Chemistry: Remarkable Homoleptic Octathia Coordination to Na+. Inorganic Chemistry, 2015, 54, 2497-2499.	4.0	12
25	Cationic aza-macrocyclic complexes of germanium(<scp>ii</scp>) and silicon(<scp>iv</scp>). Dalton Transactions, 2015, 44, 20898-20905.	3.3	15
26	Supercritical Fluid Electrodeposition of Elemental Germanium onto Titanium Nitride Substrates. Journal of the Electrochemical Society, 2015, 162, D619-D624.	2.9	12
27	Aza-macrocyclic complexes of the Group 1 cations â€“ synthesis, structures and density functional theory study. Dalton Transactions, 2015, 44, 13853-13866.	3.3	26
28	Neutral thioether and selenoether macrocyclic coordination to Group 1 cations (Liâ€“Cs) â€“ synthesis, spectroscopic and structural properties. Dalton Transactions, 2015, 44, 18748-18759.	3.3	15
29	Synthesis and Structural Characterization of Î²â€Ketoiminateâ€Stabilized Gallium Hydrides for Chemical Vapor Deposition Applications. Chemistry - A European Journal, 2014, 20, 10503-10513.	3.3	9
30	Halometallate Complexes of Germanium(II) and (IV): Probing the Role of Cation, Oxidation State and Halide on the Structural and Electrochemical Properties. Chemistry - A European Journal, 2014, 20, 5019-5027.	3.3	26
31	The preparation and structure of Ge₃F₈â€“ a new mixed-valence fluoride of germanium, a convenient source of GeF₂. Dalton Transactions, 2014, 43, 14514-14516.	3.3	4
32	Unexpected neutral aza-macrocycle complexes of sodium. Chemical Communications, 2014, 50, 5843.	4.1	15
33	Tin(ii) fluoride vs. tin(ii) chloride â€“ a comparison of their coordination chemistry with neutral ligands. Dalton Transactions, 2013, 42, 8364.	3.3	39
34	Tribenzylphosphane and its hydrochloride salt, tribenzylphosphonium hydrogen dichlorideâ€“tribenzylphosphane (1/1). Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 560-564.	0.4	2
35	Phosphine and Diphosphine Complexes of Silicon(IV) Halides. Inorganic Chemistry, 2013, 52, 5185-5193.	4.0	15
36	Preparation and structures of coordination complexes of the very hard Lewis acids ZrF4 and HfF4. Dalton Transactions, 2012, 41, 12548.	3.3	32

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37	Tantalum and Titanium doped In₂O₃ Thin Films by Aerosol-Assisted Chemical Vapor Deposition and their Gas Sensing Properties. Chemistry of Materials, 2012, 24, 2864-2871.	6.7	61
38	Group 13 Î²-Ketoiminate Compounds: Gallium Hydride Derivatives As Molecular Precursors to Thin Films of Ga2O3. Inorganic Chemistry, 2012, 51, 6385-6395.	4.0	33
39	Gallium Hydride Complexes Stabilised by Multidentate Alkoxide Ligands: Precursors to Thin Films of Ga₂O₃ at Low Temperatures. Chemistry - A European Journal, 2012, 18, 6079-6087.	3.3	20
40	A novel route to Ptâ€“Bi2O3 composite thin films and their application in photo-reduction of water. Inorganica Chimica Acta, 2012, 380, 328-335.	2.4	27
41	Synthetic and Structural Studies of Donor-Functionalized Alkoxy Derivatives of Gallium. Inorganic Chemistry, 2011, 50, 9491-9498.	4.0	20
42	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
43	Di-Î¼-chlorido-bis[dichloridobis(methylamido-ÎºN)bis(methylamine-ÎºN)titanium(IV)]. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, m234-m236.	0.4	1
44	Gallium and Indium Î²â€Diketonate Complexes: AACVD of [In(thd)₃] and the Attempted Synthesis of Gallium and Indium Bis(Î²â€diketonates). European Journal of Inorganic Chemistry, 2011, 2011, 1953-1960.	2.0	24
45	Single-source precursors to gallium and indium oxide thin films. Coordination Chemistry Reviews, 2011, 255, 1293-1318.	18.8	73
46	Synthesis, AACVD and X-ray crystallographic structures of group 13 monoalkoxometallanes. Main Group Chemistry, 2010, 9, 31-40.	0.8	18
47	Syntheses, X-ray structures and CVD of titanium(iv) arsine complexes. Dalton Transactions, 2010, 39, 5325.	3.3	12
48	MOCVD of Zirconium Oxide from the Zirconium Guanidinate Complex [ZrCpâ€²{Î·2-(iPrN)2CNMe2}2Cl]. ECS Transactions, 2009, 25, 561-565.	0.5	5
49	Structural and Reactivity Studies of â€œPincerâ€•Pyridine Dicarbene Complexes of Fe⁰: Experimental and Computational Comparison of the Phosphine and NHC Donors. Chemistry - A European Journal, 2009, 15, 5491-5502.	3.3	102
50	Synthesis of Zirconium Guanidinate Complexes and the Formation of Zirconium Carbonitride via Low Pressure CVD. Organometallics, 2009, 28, 1838-1844.	2.3	30
51	Reactions of â€˜pincerâ€™ pyridine dicarbene complexes of Fe(0) with silanes. Dalton Transactions, 2009, , 7189.	3.3	53
52	â€œPincerâ€•Pyridineâ€“Dicarbeneâ€“Iridium Complexes: Facile Cï£¿H Activation and Unexpected Î·²â€imidazolâ€2â€ylidene Coordination. Angewandte Chemie - International Edition, 2008, 47, 9765-9767.	13.8	79
53	Copper and palladium complexes with N-heterocyclic carbene ligands functionalised with carboxylate groups. Journal of Organometallic Chemistry, 2008, 693, 3369-3374.	1.8	28
54	A method for the synthesis of nickel(<scp>0</scp>) bis(carbene) complexes. Dalton Transactions, 2008, , 30-31.	3.3	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.	3.3	89
56	Indenyl- and Fluorenyl-Functionalized N-Heterocyclic Carbene Complexes of Titanium, Zirconium, Vanadium, Chromium, and Yttrium. Organometallics, 2007, 26, 3762-3770.	2.3	96
57	Cyclometalated and Alkoxyphenyl-Substituted Palladium Imidazolin-2-ylidene Complexes. Synthetic, Structural, and Catalytic Studies. Organometallics, 2007, 26, 5627-5635.	2.3	74
58	Metal complexes with â€˜pincerâ€™-type ligands incorporating N-heterocyclic carbene functionalities. Coordination Chemistry Reviews, 2007, 251, 610-641.	18.8	594
59	â€˜Pincerâ€™ dicarbene complexes of some early transition metals and uranium. Dalton Transactions, 2006, , 775-782.	3.3	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