

David Lewis Hughes

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

1,059
citations

18
h-index

28
g-index

93
ext. papers

1,212
ext. citations

3.8
avg, IF

4.52
L-index

#	Paper	IF	Citations
87	Complementary Syntheses Giving Access to a Full Suite of Differentially Substituted Phthalocyanine-Porphyrin Hybrids. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7632-7636	16.4	4
86	Complementary Syntheses Giving Access to a Full Suite of Differentially Substituted Phthalocyanine-Porphyrin Hybrids. <i>Angewandte Chemie</i> , 2021 , 133, 7710-7714	3.6	
85	Copper(I) Complexes of P-Stereogenic Josiphos and Related Ligands. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 2719-2725	3.2	0
84	Stability in solution and chemoprotection by octadecavanadates(IV/V) in E. coli cultures. <i>Journal of Inorganic Biochemistry</i> , 2021 , 219, 111438	4.2	3
83	Seven-Coordinate Tb Complexes with 90% Quantum Yields: High-Performance Examples of Combined Singlet- and Triplet-to-Tb Energy-Transfer Pathways. <i>Inorganic Chemistry</i> , 2021 , 60, 892-907	5.1	9
82	Coordination chemistry of [2 + 2] Schiff-base macrocycles derived from the dianilines [(2-NHCH)X] (X = CHCH, O): structural studies and ROP capability towards cyclic esters. <i>Dalton Transactions</i> , 2021 , 50, 8057-8069	4.3	3
81	Synthesis, Mechanism Elucidation and Biological Insights of Tellurium(IV)-Containing Heterocycles. <i>Chemistry - A European Journal</i> , 2021 , 27, 14427-14437	4.8	2
80	Straightforward and Controlled Synthesis of Porphyrin-Phthalocyanine-Porphyrin Heteroleptic Triple-Decker Assemblies. <i>Chemistry - A European Journal</i> , 2020 , 26, 10724-10728	4.8	2
79	Planar chiral palladacycle precatalysts for asymmetric synthesis. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 5466-5472	3.9	4
78	Stereoselective Synthesis of All Possible Phosferrox Ligand Diastereoisomers Displaying Three Elements of Chirality: Stereochemical Optimization for Asymmetric Catalysis. <i>Journal of Organic Chemistry</i> , 2020 , 85, 4838-4847	4.2	10
77	Hydride Transfer to Gold: Yes or No? Exploring the Unexpected Versatility of Au-H-M Bonding in Heterobimetallic Dihydrides. <i>Chemistry - A European Journal</i> , 2020 , 26, 8267-8280	4.8	4
76	Allene-derived gold and platinum complexes: synthesis and first applications in catalysis. <i>Dalton Transactions</i> , 2020 , 49, 4034-4038	4.3	5
75	H activation by zirconaziridinium ions: σ -bond metathesis versus frustrated Lewis pair reactivity. <i>Chemical Communications</i> , 2020 , 56, 2542-2545	5.8	3
74	An Oxalate-Bridged Copper(II) Complex Combining Monodentate Benzoate, 2,2'-bipyridine and Aqua Ligands: Synthesis, Crystal Structure and Investigation of Magnetic Properties. <i>Molecules</i> , 2020 , 25,	4.8	5
73	First COVID-19 molecular docking with a chalcone-based compound: synthesis, single-crystal structure and Hirshfeld surface analysis study. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020 , 76, 1043-1050	0.8	10
72	Do Gold(III) Complexes Form Hydrogen Bonds? An Exploration of Au Dicarboranyl Chemistry. <i>Chemistry - A European Journal</i> , 2020 , 26, 939-947	4.8	7
71	The Intricate Determination of Magnetic Anisotropy in Quasi-octahedral Vanadium(III): An HF-EPR and Magnetic Study. <i>Applied Magnetic Resonance</i> , 2020 , 51, 1233-1250	0.8	0

70	Promoting a Significant Increase in the Photoluminescence Quantum Yield of Terbium(III) Complexes by Ligand Modification. <i>Inorganic Chemistry</i> , 2019 , 58, 12099-12111	5.1	8
69	Zwitterionic Mixed-Carbene Coinage Metal Complexes: Synthesis, Structures, and Photophysical Studies. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 4234-4240	2.3	8
68	Methyl Ester Functionalized Phenalenyl Arene- and Bipyridine-Ruthenium-Based Complexes for Electroactive Langmuir-Blodgett Films. <i>Inorganic Chemistry</i> , 2019 , 58, 8408-8418	5.1	3
67	Structural versatility driven by the flexible di(4-pyridyl) sulfide ligand: From cobalt(II) single-ion magnets to sheet-like copper(II) weak antiferromagnets. <i>Polyhedron</i> , 2019 , 171, 203-211	2.7	2
66	Ferrocenyloxazoline-Derived Planar Chiral Palladacycles: C _H Activation, Transmetalation, and Reversal of Diastereoselectivity. <i>Organometallics</i> , 2019 , 38, 4271-4279	3.8	4
65	Induction of Planar Chirality Using Asymmetric Click Chemistry by a Novel Desymmetrisation of 1,3-Bisalkynyl Ferrocenes. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 7218-7222	3.2	11
64	Application of Transmetalation to the Synthesis of Planar Chiral and Chiral-at-Metal Iridacycles. <i>Organometallics</i> , 2019 , 38, 1099-1107	3.8	5
63	Crystal structure of 1-nonylpyridazin-1-ium iodide, C ₁₃ H ₂₃ N ₂ I. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2019 , 234, 857-859	0.2	1
62	Carbon-sulfur bond formation by reductive elimination of gold(iii) thiolates. <i>Dalton Transactions</i> , 2018 , 47, 6333-6343	4.3	21
61	Fixing the Conformation of Calix[4]arenes: When Are Three Carbons Not Enough?. <i>Chemistry - A European Journal</i> , 2018 , 24, 4436-4444	4.8	14
60	Crystal structure of 1-heptylpyridazin-1-ium iodide, C ₁₁ H ₁₉ N ₂ I. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018 , 233, 739-741	0.2	1
59	Synthesis and crystal structure of bis(furan-2-ylmethanaminium)-catena-[bis(2-phthalato-2O:O)cobalt(II)], C ₂₆ H ₂₄ CoN ₂ O ₁₀ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018 , 233, 705-707	0.2	
58	New Heteronuclear Supramolecular Assemblies Based on a Robson-Type Macrocyclic: Structure and Spectroscopic Properties. <i>Journal of Chemical Crystallography</i> , 2018 , 48, 200-208	0.5	1
57	Unusual Nucleophilic Addition of Grignard Reagents in the Synthesis of 4-Amino-pyrimidines. <i>ACS Omega</i> , 2018 , 3, 8937-8944	3.9	4
56	Synthesis, crystal structure, and cytotoxicity studies of titanacalix[4 and 8]arene complexes. <i>Dalton Transactions</i> , 2018 , 47, 8992-8999	4.3	6
55	Crystal structure of sodium (1)-d-mannit-1-yl-sulfonate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018 , 74, 1314-1318	0.7	0
54	Enantiopure Planar Chiral and Chiral-at-Metal Iridacycles Derived from Bulky Cobalt Sandwich Complexes. <i>Organometallics</i> , 2018 , 37, 4204-4212	3.8	5
53	Effects of Decavanadate Salts with Organic and Inorganic Cations on Escherichia coli, Giardia intestinalis, and Vero Cells. <i>Inorganic Chemistry</i> , 2018 , 57, 11930-11941	5.1	18

52	Synthesis and crystal structure of 1,3-bis[(3,4-dicyano)phenoxy]-4,6-dinitro-benzene, C ₂₂ H ₈ N ₆ O ₆ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018 , 233, 853-855	0.2	
51	A Rare Example of Four-Coordinate Nonoxido Vanadium(IV) Alkoxide in the Solid State: Structure, Spectroscopy, and Magnetization Dynamics. <i>Inorganic Chemistry</i> , 2018 , 57, 11393-11403	5.1	8
50	Thermally Stable Gold(III) Alkene and Alkyne Complexes: Synthesis, Structures, and Assessment of the trans-Influence on Gold-Ligand Bond Enthalpies. <i>Chemistry - A European Journal</i> , 2018 , 24, 11467-11474	4.8	21
49	Cobalt(II) chloride adducts with acetonitrile, propan-2-ol and tetrahydrofuran: considerations on nuclearity, reactivity and synthetic applications. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017 , 73, 104-114	0.8	1
48	Crystal structures of two mononuclear complexes of terbium(III) nitrate with the tripodal alcohol 1,1,1-tris-(hydroxy-methyl)propane. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017 , 73, 278-285	0.7	1
47	Chiral Brønsted Acid-Catalyzed Asymmetric Synthesis of N-Aryl-cis-aziridine Carboxylate Esters. <i>Angewandte Chemie</i> , 2017 , 129, 5406-5410	3.6	3
46	Naphthoquinones of <i>Sinningia reitzii</i> and Anti-inflammatory/Antinociceptive Activities of 8-Hydroxydehydrodunnione. <i>Journal of Natural Products</i> , 2017 , 80, 1837-1843	4.9	20
45	Chiral Brønsted Acid-Catalyzed Asymmetric Synthesis of N-Aryl-cis-aziridine Carboxylate Esters. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5322-5326	16.4	20
44	Formation of Gold(III) Alkyls from Gold Alkoxide Complexes. <i>Organometallics</i> , 2017 , 36, 1358-1364	3.8	14
43	Synthesis and crystal structure of a new pyridinium bromide salt: 4-methyl-1-(3-phen-oxy-prop-yl)pyridinium bromide. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017 , 73, 1831-1834	0.7	2
42	(C [∧] N [∧] C)Au complexes of acyclic carbene ligands: synthesis and anticancer properties. <i>Dalton Transactions</i> , 2017 , 46, 13397-13408	4.3	21
41	Luminescent Gold(III) Thiolates: Supramolecular Interactions Trigger and Control Switchable Photoemissions from Bimolecular Excited States. <i>Chemistry - A European Journal</i> , 2017 , 23, 105-113	4.8	37
40	Crystal structure of a 1,1,2,2-tetra-chloro-ethane-solvated hydrazinecarbo-thio-amide compound. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017 , 73, 1271-1274	0.7	2
39	"Janus" Calixarenes: Double-Sided Molecular Linkers for Facile, Multianchor Point, Multifunctional, Surface Modification. <i>Langmuir</i> , 2016 , 32, 7806-13	4	18
38	Structural studies of Schiff-base [2 + 2] macrocycles derived from 2,2'-oxydianiline and the ROP capability of their organoaluminium complexes. <i>Dalton Transactions</i> , 2016 , 45, 11990-2005	4.3	18
37	Crystal structure of 4-methyl-2,6,7-trioxa-1-phosphabi-cyclo-[2.2.2]octa-ne. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016 , 72, 1021-4	0.7	1
36	Crystal structure of sodium (1S)-d-lyxit-1-yl-sulfonate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016 , 72, 628-31	0.7	2
35	Synthesis, structural properties, electrophilic substitution reactions and DFT computational studies of calix[3]benzofurans. <i>RSC Advances</i> , 2016 , 6, 50808-50817	3.7	12

34	Open-resorcinarenes, a new family of multivalent scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 10161-10164	3.9	3
33	Crystal structure of (E)-1-{2-[(5,5-dimethyl-1,3,2-dioxaphosphinan-2-yl)-oxy]naphthalen-1-yl}-N-(4-fluoro-phen-yl)methanimine. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015 , 71, 85-7	0.7	7
32	Crystal structure of an eight-coordinate terbium(III) ion chelated by N,N'-bis-(2-hydroxy-benz-yl)-N,N'-bis-(pyridin-2-ylmeth-yl)ethyl-enedi-amine (bbpen(2-)) and nitrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015 , 71, 65-8	0.7	7
31	Crystal structures of two deca-vanadates(V) with penta-aqua-manganese(II) pendant groups: (NMe ₄) ₂ [V ₁₀ O ₂₈ {Mn(H ₂ O) ₅ } ₂] ₂ ·2H ₂ O and [NH ₃ C(CH ₂ OH) ₃] ₂ [V ₁₀ O ₂₈ {Mn(H ₂ O) ₅ } ₂] ₂ ·2H ₂ O. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015 , 71, 146-50	0.7	4
30	Synthesis of meso-substituted subphthalocyanine-subporphyrin hybrids: boron subtribenzodiazaporphyrins. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7510-4	16.4	15
29	Reactivity of Gold Hydrides: O Insertion into the Au-H Bond. <i>Organometallics</i> , 2015 , 34, 2098-2101	3.8	25
28	Synthesis of Meso-Substituted Subphthalocyanine-Subporphyrin Hybrids: Boron Subtribenzodiazaporphyrins. <i>Angewandte Chemie</i> , 2015 , 127, 7620-7624	3.6	3
27	A new route for the synthesis of phosphate esters: 2,2'-[benzene-1,2-diylbis(oxy)]bis(5,5-dimethyl-1,3,2-dioxaphosphinane) 2,2'-dioxide. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2015 , 71, 1037-41	0.8	
26	Crystal structure of potassium (1S)-d-lyxit-1-yl-sulfonate monohydrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015 , 71, 993-6	0.7	1
25	Synthesis, characterization, crystal structure, and DNA binding of two copper(II)-hydrazone complexes. <i>Journal of Coordination Chemistry</i> , 2014 , 67, 3335-3353	1.6	25
24	Crystal structure of potassium (1R)-d-ribose-1-yl-sulfonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014 , 70, 406-9		3
23	Vanadium(III) phenoxyimine complexes for ethylene or ε-caprolactone polymerization: mononuclear versus binuclear pre-catalysts. <i>Catalysis Science and Technology</i> , 2013 , 3, 152-160	5.5	27
22	Synthesis and inclusion properties of C ₃ -symmetric triazole derivatives based on hexahomotrioxacalix[3]arene. <i>New Journal of Chemistry</i> , 2012 , 36, 2580	3.6	6
21	Ein thermisch stabiles Gold(III)-Hydrid: Synthese, Reaktivität und reduktive Kondensation als Weg zu Gold(II)-Komplexen. <i>Angewandte Chemie</i> , 2012 , 124, 10795-10798	3.6	46
20	A thermally stable gold(III) hydride: synthesis, reactivity, and reductive condensation as a route to gold(II) complexes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10643-6	16.4	123
19	Reactivity of Ligand-Free Au ⁺ : C≡C and C≡N Activation versus π-Coordination. <i>Organometallics</i> , 2012 , 31, 2534-2537	3.8	5
18	Sodium (1R)-d-glucit-1-yl-sulfonate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, m377-8		5
17	Ethylene Polymerization Catalysis by Vanadium-Based Systems Bearing Sulfur-Bridged Calixarenes. <i>Organometallics</i> , 2011 , 30, 5620-5624	3.8	33

16	Synthesis, crystal structure and complexation behaviour of a thiacalix[4]arene bearing 1,2,3-triazole groups. <i>Supramolecular Chemistry</i> , 2011 , 23, 689-695	1.8	8
15	Synthesis and Structure of the Dimethyl Sulfide Adducts of Mono- and Bis(pentafluorophenyl)borane. <i>Organometallics</i> , 2010 , 29, 2194-2197	3.8	33
14	The crystal structure of potassium (1S)-D-galactit-1-ylsulfonate. <i>Carbohydrate Research</i> , 2010 , 345, 2705-2709	2.1	9
13	One-pot conversion of tetraaminodiphenols to diiminodiaminodiphenols via methyl transfer at aluminium. <i>Supramolecular Chemistry</i> , 2009 , 21, 35-43	1.8	16
12	Synthesis and crystal structure determination of copper(II) and iron(III) complexes of 2-(2-pyridyl)benzothiazole. <i>Transition Metal Chemistry</i> , 2009 , 34, 85-89	2.1	14
11	Syntheses, characterization and crystal structures of two square-planar Ni(II) complexes with unsymmetrical tridentate Schiff base ligands and monodentate pseudohalides. <i>Transition Metal Chemistry</i> , 2009 , 34, 269-274	2.1	21
10	New structural motifs in chromium(iii) calix[4 and 6]arene chemistry. <i>Dalton Transactions</i> , 2009 , 1231-424.3	4.3	32
9	Multinuclear alkylaluminium macrocyclic Schiff base complexes: influence of procatalyst structure on the ring opening polymerisation of epsilon-caprolactone. <i>Chemical Communications</i> , 2008 , 4717-9	5.8	99
8	(2E)-N-(2-iodo-4,6-dimethylphenyl)-2-methylbut-2-enamide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008 , 64, 07-9		
7	Rhenium Calix[4]arenes: Precursors to Novel Imaging and Cancer Therapy Agents. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 2698-2712	2.3	9
6	Cationic Brønsted Acids for the Preparation of SnIV Salts: Synthesis and Characterisation of [Ph ₃ Sn(OEt ₂)](H ₂ N{B(C ₆ F ₅) ₃ }) ₂ , [Sn(NMe ₂) ₃ (HNMe ₂) ₂][B(C ₆ F ₅) ₄] and [Me ₃ Sn(HNMe ₂) ₂][B(C ₆ F ₅) ₄]. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 3211-3220	2.3	20
5	The Remarkable Solvent-Dependent Crystallization of the Mono- and Bis(4-pyrrol-1-ylbenzotrile) Adducts of Bis(pentafluorophenyl)zinc. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 4037-4041	2.3	10
4	X-Ray crystallographic studies of three substituted indium(III) phthalocyanines: effect of ring substitution and the axial ligand on molecular geometry and packing. <i>Journal of Materials Chemistry</i> , 2005 , 15, 168		15
3	Arylzinkkomplexe als Initiatoren zur Herstellung von Isobuten-Copolymeren mit hohem Isoprengehalt. <i>Angewandte Chemie</i> , 2004 , 116, 2218-2222	3.6	5
2	The synthesis, structure and catalytic activity of mono(salicylaldiminato) titanium complexes. <i>Dalton Transactions</i> , 2003 , 3480	4.3	35
1	The synthesis of half-sandwich bis(pentafluorophenyl)boryl-substituted cyclopentadienyl zirconium, niobium and tantalum complexes and the isolation and molecular structure of a zwitterionic niobocene. <i>Dalton Transactions</i> , 2003 , 1779-1789	4.3	18