

Jas S Ward

List of Publications by Year in descending order

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84
papers

1,250
citations

361045

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h-index

500791

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87
docs citations

87
times ranked

1310
citing authors

#	ARTICLE	IF	CITATIONS
1	Accelerated dinuclear palladium catalyst identification through unsupervised machine learning. <i>Science</i> , 2021, 374, 1134-1140.	6.0	63
2	Halogen Substitution Effects on N ₂ O Schiff Base Ligands in Unprecedented Abrupt Fe ^{II} Spin Crossover Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 7052-7065.	1.7	53
3	Selective Formation of <i>S</i> - and <i>T</i> -Symmetric Supramolecular Tetrahedral Cages and Helicates in Polar Media Assembled via Cooperative Action of Coordination and Hydrogen Bonds. <i>Journal of the American Chemical Society</i> , 2020, 142, 3658-3670.	6.6	45
4	N-Heterocyclic Silyl Pincer Ligands. <i>Organometallics</i> , 2014, 33, 653-658.	1.1	42
5	A supramolecular system that strictly follows the binding mechanism of conformational selection. <i>Nature Communications</i> , 2020, 11, 2740.	5.8	42
6	Symmetry breaking above room temperature in an Fe(II) spin crossover complex with an N ₄ O ₂ donor set. <i>Chemical Communications</i> , 2017, 53, 1374-1377.	2.2	41
7	Asymmetric [Nâ€“N] ⁺ halonium complexes. <i>Chemical Communications</i> , 2020, 56, 8428-8431.	2.2	41
8	Selective Synthesis of <i>Z</i> -Silyl Enol Ethers via Ni-Catalyzed Remote Functionalization of Ketones. <i>Journal of the American Chemical Society</i> , 2021, 143, 8375-8380.	6.6	35
9	A nucleophilic iodine in a halogen-bonded iodonium complex manifests an unprecedented I ⁺ ⋅⋅⋅Ag ⁺ interaction. <i>CheM</i> , 2021, 7, 948-958.	5.8	32
10	Modular Total Syntheses of the Marine-Derived Resorcylic Acid Lactones Cochliomycins A and B Using a Late-Stage Nozaki-Hiyama-Kishi Macrocyclization Reaction. <i>Journal of Organic Chemistry</i> , 2015, 80, 460-470.	1.7	31
11	Carbonyl Hypoiodites as Extremely Strong Halogen Bond Donors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20739-20743.	7.2	29
12	Rearrangement of bis(alkylidynyl)phosphines to phospho-acyls. <i>Chemical Communications</i> , 2017, 53, 1832-1835.	2.2	27
13	Ruthenium and osmium complexes of dihydroperimidine-based N-heterocyclic carbene pincer ligands. <i>Dalton Transactions</i> , 2015, 44, 20376-20385.	1.6	26
14	A general synthesis of dendralenes. <i>Chemical Science</i> , 2019, 10, 9969-9973.	3.7	25
15	Utility of Three-Coordinate Silver Complexes Toward the Formation of Iodonium Ions. <i>Inorganic Chemistry</i> , 2021, 60, 5383-5390.	1.9	24
16	Total Syntheses of the Resorcylic Acid Lactone Neocosmosin A and Its Enantiomer. <i>Journal of Organic Chemistry</i> , 2015, 80, 4828-4833.	1.7	22
17	Iridium complexes of perimidine-based N-heterocyclic carbene pincer ligands via aminal C-H activation. <i>Dalton Transactions</i> , 2018, 47, 1577-1587.	1.6	22
18	Fluorescence enhancement of quinolines by protonation. <i>RSC Advances</i> , 2020, 10, 29385-29393.	1.7	22

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19	Room-Temperature Phosphorescence and Efficient Singlet Oxygen Production by Cyclometalated Pt(II) Complexes with Aromatic Alkynyl Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 8220-8230.	1.9	22
20	From toluene to triquinanes: formal total syntheses of the sesquiterpenoid natural products (âˆ“)–hypnophilin and (âˆ“)–coriolin. <i>Tetrahedron</i> , 2013, 69, 1363-1368.	1.0	21
21	Synthesis and reactivity of osmium and ruthenium PBPâ€“LXL boryl pincer complexes. <i>Polyhedron</i> , 2016, 120, 185-195.	1.0	21
22	Synthesis of a Stable Methylidyne Complex. <i>Organometallics</i> , 2015, 34, 5057-5064.	1.1	19
23	Selenoxopropadienyldiene (CCCS _e) as a Bridging Ligand. <i>Organometallics</i> , 2015, 34, 361-365.	1.1	18
24	Tandem Ullmannâ€“Goldberg Cross-Coupling/Cyclopalladation-Reductive Elimination Reactions and Related Sequences Leading to Polyfunctionalized Benzofurans, Indoles, and Phthalanes. <i>Organic Letters</i> , 2019, 21, 6342-6346.	2.4	18
25	Formation of a Polythreaded, Metalâ€“Organic Framework Utilizing an Interlocked Hexadentate, Carboxylate Linker. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4524-4529.	1.0	17
26	Supramolecular frameworks based on 5,10,15,20-tetra(4-carboxyphenyl)porphyrins. <i>Dalton Transactions</i> , 2018, 47, 783-790.	1.6	17
27	Chemoenzymatic Total Synthesis and Reassignment of the Absolute Configuration of Ribisin C. <i>Organic Letters</i> , 2014, 16, 228-231.	2.4	16
28	Thioxoethenyldiene (CCS) as a Bridging Ligand. <i>Organometallics</i> , 2015, 34, 328-334.	1.1	16
29	Palladium-Catalyzed Ullmann Cross-Coupling of \hat{I}^2 -Iodoenones and \hat{I}^2 -Iodoacrylates with $\langle i \rangle o \langle /i \rangle$ -Halonitroarenes or $\langle i \rangle o \langle /i \rangle$ -Iodobenzonitriles and Reductive Cyclization of the Resulting Products To Give Diverse Heterocyclic Systems. <i>Organic Letters</i> , 2018, 20, 2770-2773.	2.4	16
30	Reductive Cyclization of $\langle i \rangle o \langle /i \rangle$ -Nitroarylated- \hat{I}^{\pm}, \hat{I}^2 -unsaturated Aldehydes and Ketones with $TiCl_3/HCl$ or Fe/HCl Leading to 1,2,3,9-Tetrahydro-4 $\langle i \rangle H \langle /i \rangle$ -carbazol-4-ones and Related Heterocycles. <i>Journal of Organic Chemistry</i> , 2018, 83, 12023-12033.	1.7	16
31	Iodonium complexes of the tertiary amines quinuclidine and 1-ethylpiperidine. <i>Dalton Transactions</i> , 2021, 50, 8297-8301.	1.6	16
32	A Total Synthesis of the Antifungal Deoxyaminocyclitol Nabscessin B from $\langle scp \rangle l \langle /scp \rangle$ -(+)-Tartaric Acid. <i>Organic Letters</i> , 2018, 20, 142-145.	2.4	14
33	Syntheses of Structurally and Stereochemically Varied Forms of C ₇ N Aminocyclitol Derivatives from Enzymatically Derived and Homochiral $\langle i \rangle cis \langle /i \rangle$ -1,2-Dihydrocatechols. <i>Organic Letters</i> , 2018, 20, 7225-7228.	2.4	14
34	Total Syntheses of the 3 $\langle i \rangle H \langle /i \rangle$ -Pyrrolo[2,3- $\langle i \rangle c \langle /i \rangle$]quinolone-Containing Alkaloids Marinoquinolines Aâ€“F, K, and Aplidiopsamine A Using a Palladium-Catalyzed Ullmann Cross-Coupling/Reductive Cyclization Pathway. <i>Journal of Organic Chemistry</i> , 2020, 85, 650-663.	1.7	14
35	Effect of Gold(I) on the Roomâ€“Temperature Phosphorescence of Ethynylphenanthrene. <i>Chemistry - A European Journal</i> , 2021, 27, 1810-1820.	1.7	14
36	Nucleophilic iodonium interactions (NIIs) in 2-coordinate iodine($\langle scp \rangle i \langle /scp \rangle$) and silver($\langle scp \rangle i \langle /scp \rangle$) complexes. <i>Chemical Communications</i> , 2021, 57, 5094-5097.	2.2	13

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37	Dihypoiodites stabilised by 4-ethylpyridine through Oâ€“N halogen bonds. Dalton Transactions, 2021, 50, 14990-14993.	1.6	13
38	Ligand exchange among iodine(ⁱ) complexes. Dalton Transactions, 2022, 51, 4668-4674.	1.6	13
39	Total Synthesis of (+)-Viridianol, a Marine-Derived Sesquiterpene Embodying the Decahydrocyclobuta[<i>d</i>]indene Framework. Journal of Organic Chemistry, 2018, 83, 14049-14056.	1.7	12
40	Shedding Light on the Interactions of Hydrocarbon Ester Substituents upon Formation of Dimeric Titanium(IV) Triscatecholates in DMSO Solution. Chemistry - A European Journal, 2020, 26, 1396-1405.	1.7	12
41	A Bisâ€“Acridinium Macrocyclic Multiâ€“Responsive Receptor and Selective Phaseâ€“Transfer Agent of Perylene. Angewandte Chemie - International Edition, 2020, 59, 23206-23212.	7.2	12
42	Selfâ€“Assembly Synthesis of a [2]Catenane Co ^{II} Singleâ€“Molecule Magnet. Angewandte Chemie - International Edition, 2022, 61, .	7.2	12
43	Dihydrobis(methimazolyl)borato complexes of ruthenium and osmium. Dalton Transactions, 2017, 46, 14957-14972.	1.6	11
44	Diene-Transmissive Dielsâ€“Alder Sequences with Benzynes. Organic Letters, 2019, 21, 7529-7533.	2.4	11
45	A 2,3-dialkoxynaphthalene-based naphthocage. Chemical Communications, 2020, 56, 888-891.	2.2	11
46	Organometallic chemistry of ethynyl boronic acid MIDA ester, HCâ€“,CB(O ₂ CCH ₂) ₂ NMe. Dalton Transactions, 2015, 44, 5713-5726.	1.6	10
47	Total Synthesis of the Marine Alkaloid Discoipyrrole C via the MoOPH-Mediated Oxidation of a 2,3,5-Trisubstituted Pyrrole. Journal of Natural Products, 2017, 80, 3305-3313.	1.5	10
48	Iron(III) Chloride as a Mild Catalyst for the Dearomatizing Cyclization of <i>N</i> -Acyloindoles. Journal of Organic Chemistry, 2020, 85, 12160-12174.	1.7	10
49	A Rapid and Mild Sulfation Strategy Reveals Conformational Preferences in Therapeutically Relevant Sulfated Xylooligosaccharides. Chemistry - A European Journal, 2021, 27, 9830-9838.	1.7	10
50	Do 2-coordinate iodine(ⁱ) and silver(ⁱ) complexes form nucleophilic iodonium interactions (NIs) in solution?. Chemical Communications, 2022, 58, 4977-4980.	2.2	9
51	Halogen-bonded halogen(I) ion complexes. , 2023, , 586-601.		9
52	Facile Isomerization and Unprecedented Decarbonation of Metallacarboranes with Fluorinated Aryl Substituents. Organometallics, 2012, 31, 2523-2525.	1.1	8
53	A Chemoenzymatic Route to the (+)-Form of the Amaryllidaceae Alkaloid Narseronine. Australian Journal of Chemistry, 2015, 68, 241.	0.5	8
54	Tetravinylallene. Angewandte Chemie - International Edition, 2019, 58, 14573-14577.	7.2	8

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55	A Broadâ€‘Spectrum Synthesis of Tetravinylethylenes. <i>Chemistry - A European Journal</i> , 2019, 25, 4072-4076.	1.7	8
56	Synthesis and Properties of 2,3â€‘Diethynylâ€‘1,3â€‘Butadienes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4145-4153.	7.2	8
57	Luminescent Pt II and Pt IV Platinacycles with Anticancer Activity Against Multiplatinumâ€‘Resistant Metastatic CRC and CRPC Cell Models. <i>Chemistry - A European Journal</i> , 2020, 26, 1947-1952.	1.7	8
58	Mechanistic Studies on the Base-Promoted Conversion of Alkoxy-Substituted, Ring-Fused <i>gem</i> -Dihalocyclopropanes into Furans: Evidence for a Process Involving Electrocyclic Ring Closure of a Carbonyl Ylide Intermediate. <i>Journal of Organic Chemistry</i> , 2018, 83, 13678-13690.	1.7	7
59	Synthesis of Nâ€‘Fused Indolines via Copper (II)â€‘Catalyzed Dearomatizing Cyclization of Indoles. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3121-3126.	2.1	7
60	Aggregation versus Biological Activity in Gold(I) Complexes. An Unexplored Concept. <i>Inorganic Chemistry</i> , 2021, 60, 18753-18763.	1.9	7
61	Dimeric iodine (<sc>i</sc>) and silver (<sc>i</sc>) cages from tripodal N-donor ligands <i>via</i> the [Nâ€‘Agâ€‘N] ⁺ to [Nâ€‘Iâ€‘N] ⁺ cation exchange reaction. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2231-2239.	3.0	7
62	Synthetic and structural studies of phosphine coordinated boronium salts. <i>Dalton Transactions</i> , 2017, 46, 7291-7308.	1.6	6
63	Synthesis and reactivity of selenium functionalised allylidynes and propargylidynes. <i>Dalton Transactions</i> , 2018, 47, 14621-14629.	1.6	6
64	Self-assembly of M ₄ L ₄ tetrahedral cages incorporating pendant Pâ€‘S and Pâ€‘Se functionalised ligands. <i>Chemical Communications</i> , 2019, 55, 10304-10307.	2.2	6
65	Helicates with Etherâ€‘Substituted Catechol Esters as Ligands. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5161-5172.	1.2	6
66	Semi-bridging Îƒ-silyls as Z-type ligands. <i>Chemical Communications</i> , 2020, 56, 3532-3535.	2.2	6
67	Protonation-induced fluorescence modulation of carbazole-based emitters. <i>Materials Advances</i> , 2022, 3, 1703-1712.	2.6	6
68	Iodine (<sc>i</sc>) complexes incorporating sterically bulky 2-substituted pyridines. <i>RSC Advances</i> , 2022, 12, 8674-8682.	1.7	6
69	The Synthesis of Quinolineâ€‘based Tin Complexes with Pendant Schiff Bases. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 694-699.	0.6	5
70	Hydrogenating an organometallic carbon chain: buten-yn-diyl (CHâ€‘CHCâ€‘C) as a missing link. <i>Dalton Transactions</i> , 2019, 48, 16534-16554.	1.6	5
71	A Bisâ€‘Acridinium Macrocycle as Multiâ€‘Responsive Receptor and Selective Phaseâ€‘Transfer Agent of Perylene. <i>Angewandte Chemie</i> , 2020, 132, 23406-23412.	1.6	5
72	Synthesis of Polycyclic Indolines by Utilizing a Reduction/Cyclization Cascade Reaction. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 6097-6101.	1.2	5

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73	Aggregation of gold(λ) complexes: phosphorescence vs. singlet oxygen production. Dalton Transactions, 2022, 51, 8795-8803.	1.6	5
74	Total Synthesis of Suillusin. Organic Letters, 2018, 20, 7304-7307.	2.4	4
75	Synthetic Studies on the Natural Product Myrsinoic Acid F Reveal Biologically Active Analogues. Organic Letters, 2018, 20, 3984-3987.	2.4	4
76	Base-promoted direct amidation of esters: beyond the current scope and practical applications. RSC Advances, 2022, 12, 20555-20562.	1.7	3
77	Synthesis and Properties of 2,3-Diethynyl-1,3-Butadienes. Angewandte Chemie, 2020, 132, 4174-4182.	1.6	2
78	Carbonyl Hypoiodites as Extremely Strong Halogen Bond Donors. Angewandte Chemie, 2021, 133, 20907-20911.	1.6	2
79	Bimetallic Complexes of Group 8, 9, and 11 Metals Bridged by $\text{RB}(\text{NCH}_2)_2\text{PPh}_2\text{C}_6\text{H}_4$ (R = H,) Tj ETQq1 1 0.784314 rgBT /Overlock 1 2018, 2855-2864.	1.0	1
80	Electrocyclic Ring-Opening of 6,6-Dichlorobicyclo[3.1.0]-hexanes and Trapping of the Resulting λ -Allyl Cations by C-1 Tethered Hydroxyamine Derivatives: Formation of 2-Oxa-1-azaspiro[4.5]decan-3-ones. Australian Journal of Chemistry, 2019, 72, 434.	0.5	1
81	Iterative Suzuki-Miyaura Cross-coupling/Bromo-desilylation Reaction Sequences for the Assembly of Chemically Well-defined, Acyclic Oligopyrrole/Benzenoid Hybrids Embodying Mixed Modes of Connectivity. Chemistry - an Asian Journal, 2020, 15, 3059-3081.	1.7	1
82	Tetravinylallene. Angewandte Chemie, 2019, 131, 14715-14719.	1.6	0
83	The Synthesis, Structural Characterisation, and Chemoselective Manipulation of Certain Functionalised Cyclic Sulfates Derived from Chiral, Non-Racemic, and Polysubstituted Bicyclo[2.2.2]octane-2,3-diols. Australian Journal of Chemistry, 2021, , .	0.5	0
84	Self-assembly synthesis of a [2]catenane Co(II) single-molecule magnet. Angewandte Chemie, 0, , .	1.6	0