

# Stephen Paul Argent

## List of Publications by Year in descending order

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75  
papers

2,790  
citations

159585

30  
h-index

182427

51  
g-index

78  
all docs

78  
docs citations

78  
times ranked

3749  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of the optical properties of soluble N-alkylated 4-pyridyl diketopyrrolopyrrole derivatives. <i>Dyes and Pigments</i> , 2022, 197, 109836.	3.7	4
2	Selective photoinduced charge separation in perylenediimide-pillar[5]arene rotaxanes. <i>Nature Communications</i> , 2022, 13, 415.	12.8	15
3	A Mixed-Addenda Mo/W Organofunctionalised Hybrid Polyoxometalate. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	2.0	5
4	Gold(I)-Catalyzed Nucleophilic Allylation of Azinium Ions with Allylboronates. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	5
5	Synthesis, characterization and density functional theory of copper(II) complex and cobalt(II) coordination polymer for detection of nitroaromatic explosives. <i>Inorganica Chimica Acta</i> , 2021, 515, 120048.	2.4	7
6	Efficient carbon dioxide hydrogenation to formic acid with buffering ionic liquids. <i>Nature Communications</i> , 2021, 12, 231.	12.8	54
7	Solid state structure and properties of phenyl diketopyrrolopyrrole derivatives. <i>CrystEngComm</i> , 2021, 23, 1796-1814.	2.6	13
8	Selective Gas Uptake and Rotational Dynamics in a (3,24)-Connected Metal-Organic Framework Material. <i>Journal of the American Chemical Society</i> , 2021, 143, 3348-3358.	13.7	39
9	Enantioselective Nickel-Catalyzed <i>anti</i> -Arylmethylative Cyclizations onto Acyclic Ketones. <i>Chemistry - A European Journal</i> , 2021, 27, 5897-5900.	3.3	21
10	Exceptional Packing Density of Ammonia in a Dual-Functionalized Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 6586-6592.	13.7	37
11	A Co-Crystallised Cobalt(II) Cluster of Pyridinedicarboxylic Acid (PDC) as a Luminescent Material for Selective Sensing of Methanol. <i>Journal of Fluorescence</i> , 2021, 31, 1177-1190.	2.5	1
12	Multigram Synthesis of Trioxanes Enabled by a Supercritical CO <sub>2</sub> Integrated Flow Process. <i>Organic Process Research and Development</i> , 2021, 25, 1873-1881.	2.7	10
13	Group 11 <i>m</i> -Terphenyl Complexes Featuring Metallophilic Interactions. <i>Inorganic Chemistry</i> , 2021, 60, 10114-10123.	4.0	9
14	Catalyst-free Hydrophosphinylation of Isocyanates and Isothiocyanates under Low-Added-Solvent Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10704-10709.	6.7	9
15	Structural and electronic studies of substituted <i>m</i> -terphenyl lithium complexes. <i>Dalton Transactions</i> , 2021, 50, 722-728.	3.3	4
16	Enantioselective nickel-catalyzed <i>anti</i> -arylmethylative cyclizations onto acyclic electron-deficient alkenes. <i>Chemical Communications</i> , 2021, 57, 4436-4439.	4.1	13
17	Controlling multiple orderings in metal thiocyanate molecular perovskites A <sub>x</sub> [Ni[Bi(SCN) <sub>6</sub> ]]. <i>Chemical Science</i> , 2021, 12, 3516-3525.	7.4	5
18	One Guest or Two? A Crystallographic and Solution Study of Guest Binding in a Cubic Coordination Cage. <i>Chemistry - A European Journal</i> , 2020, 26, 3054-3064.	3.3	21

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19	Coordinationâ€Cageâ€Catalysed Hydrolysis of Organophosphates: Cavityâ€or Surfaceâ€Based?. Chemistry - A European Journal, 2020, 26, 3065-3073.	3.3	38
20	Porous Metalâ€Organic Polyhedra: Morphology, Porosity, and Guest Binding. Inorganic Chemistry, 2020, 59, 15646-15658.	4.0	16
21	A family of diastereomeric dodecanuclear coordination cages based on inversion of chirality of individual triangular cyclic helicate faces. Chemical Science, 2020, 11, 10167-10174.	7.4	12
22	General Method for the Asymmetric Synthesis of Nâ€H Sulfoximines via Câ€S Bond Formation. Organic Letters, 2020, 22, 2776-2780.	4.6	32
23	Lateâ€Stage Functionalization by Chanâ€Lam Amination: Rapid Access to Potent and Selective Integrin Inhibitors. Chemistry - A European Journal, 2020, 26, 7678-7684.	3.3	12
24	Asymmetric Construction of Alkaloids by Employing a Key Î‰â€Transaminase Cascade. Chemistry - A European Journal, 2020, 26, 3729-3732.	3.3	19
25	One Guest or Two? A Crystallographic and Solution Study of Guest Binding in a Cubic Coordination Cage. Chemistry - A European Journal, 2020, 26, 2984-2984.	3.3	2
26	Catalysis of an Aldol Condensation Using a Coordination Cage. Chemistry, 2020, 2, 22-32.	2.2	14
27	Enantioselective nickel-catalyzed arylylative and alkenylylative intramolecular 1,2-allylations of tethered alleneâ€ketones. Chemical Science, 2020, 11, 2401-2406.	7.4	16
28	Catalytic enantioselective arylylative cyclizations of alkynyl 1,3-diketones by 1,4-rhodium(<sc>i</sc>) migration. Chemical Science, 2020, 11, 2759-2764.	7.4	19
29	Sustainable sorbitol-derived compounds for gelation of the full range of ethanolâ€water mixtures. Soft Matter, 2020, 16, 4640-4654.	2.7	11
30	Expanding Ligand Space: Preparation, Characterization, and Synthetic Applications of Air-Stable, Odorless Di-tert-alkylphosphine Surrogates. ACS Catalysis, 2020, 10, 5454-5461.	11.2	16
31	A Cooperative Photoactive Class-I Hybrid Polyoxometalate With Benzothiadiazoleâ€Imidazolium Cations. Frontiers in Chemistry, 2020, 8, 612535.	3.6	3
32	Two-Dimensional Networks of Thiocyanuric Acid and Imine Bases Assisted by Weak Hydrogen Bonds. Crystal Growth and Design, 2019, 19, 5945-5954.	3.0	8
33	Modulating proton diffusion and conductivity in metalâ€organic frameworks by incorporation of accessible free carboxylic acid groups. Chemical Science, 2019, 10, 1492-1499.	7.4	68
34	Hostâ€guest selectivity in a series of isoreticular metalâ€organic frameworks: observation of acetylene-to-alkyne and carbon dioxide-to-amide interactions. Chemical Science, 2019, 10, 1098-1106.	7.4	47
35	Photophysics of Cage/Guest Assemblies: Photoinduced Electron Transfer between a Coordination Cage Containing Osmium(II) Luminophores, and Electron-Deficient Bound Guests in the Central Cavity. Inorganic Chemistry, 2019, 58, 2386-2396.	4.0	27
36	Reversible coordinative binding and separation of sulfur dioxide in a robust metalâ€organic framework with open copper sites. Nature Materials, 2019, 18, 1358-1365.	27.5	171

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37	Rational Synthesis and Investigation of Porous Metal-Organic Framework Materials from a Preorganized Heterometallic Carboxylate Building Block. <i>Inorganic Chemistry</i> , 2017, 56, 1599-1608.	4.0	63
38	Halochromic coordination polymers based on a triarylmethane dye for reversible detection of acids. <i>Dalton Transactions</i> , 2017, 46, 465-470.	3.3	9
39	Halogen-substituted ureas for anion binding: solid state and solution studies. <i>Supramolecular Chemistry</i> , 2017, 29, 875-886.	1.2	8
40	The effect of carboxylate position on the structure of a metal organic framework derived from cyclotriveratrylene. <i>CrystEngComm</i> , 2017, 19, 603-607.	2.6	10
41	Proton Conduction in a Phosphonate-Based Metal-Organic Framework Mediated by Intrinsic Free Diffusion inside a Sphere. <i>Journal of the American Chemical Society</i> , 2016, 138, 6352-6355.	13.7	186
42	Amides Do Not Always Work: Observation of Guest Binding in an Amide-Functionalized Porous Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016, 138, 14828-14831.	13.7	44
43	Selective Adsorption of Sulfur Dioxide in a Robust Metal-Organic Framework Material. <i>Advanced Materials</i> , 2016, 28, 8705-8711.	21.0	214
44	Assembly of high nuclearity clusters from a family of tripodal tris-carboxylate ligands. <i>Polyhedron</i> , 2016, 120, 18-29.	2.2	5
45	Synthesis and characterization of chiral copper(ii) coordination polymers with 4,4'-bipyridine and lactic acid derivatives. <i>Russian Chemical Bulletin</i> , 2015, 64, 2908-2913.	1.5	2
46	Thymine functionalised porphyrins, synthesis and heteromolecular surface-based self-assembly. <i>Chemical Science</i> , 2015, 6, 1562-1569.	7.4	39
47	Enhanced Synthesis of Metal-Organic Frameworks on the Surface of Electrospun Cellulose Nanofibers. <i>Advanced Engineering Materials</i> , 2015, 17, 1282-1286.	3.5	59
48	Dilithium cyclohexanediacetate: A layered coordination polymer with non-valent hydrophobic contacts. <i>Journal of Structural Chemistry</i> , 2014, 55, 1099-1100.	1.0	0
49	Photophysics and electrochemistry of a platinum-acetylide disubstituted perylenediimide. <i>Dalton Transactions</i> , 2014, 43, 85-94.	3.3	35
50	Bis-thioether-Substituted Perylene Diimides: Structural, Electrochemical, and Spectroelectrochemical Properties. <i>Journal of Organic Chemistry</i> , 2013, 78, 2853-2862.	3.2	14
51	Hydrogen-bonded chains formed by 5,5-diethylbarbituric acid and bipyridyl tectons. <i>Supramolecular Chemistry</i> , 2012, 24, 40-47.	1.2	4
52	Supramolecular isomers of metal-organic frameworks: the role of a new mixed donor imidazolate-carboxylate tetradentate ligand. <i>Dalton Transactions</i> , 2012, 41, 4020.	3.3	16
53	High-Nuclearity Metal-Organic Nanospheres: A Cd <sub>66</sub> Ball. <i>Journal of the American Chemical Society</i> , 2012, 134, 55-58.	13.7	61
54	A mixed valence manganese triangle in a trigonal lattice: structure and magnetism. <i>Dalton Transactions</i> , 2011, 40, 5891.	3.3	10

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55	Structures and Dynamic Behavior of Large Polyhedral Coordination Cages: An Unusual Cage-to-Cage Interconversion. <i>Journal of the American Chemical Society</i> , 2011, 133, 858-870.	13.7	169
56	A Perylene Diimide Rotaxane: Synthesis, Structure and Electrochemically Driven De-threading. <i>Chemistry - A European Journal</i> , 2011, 17, 14746-14751.	3.3	28
57	Supramolecular Assemblies Formed on an Epitaxial Graphene Superstructure. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1794-1799.	13.8	108
58	Building Multistate Redox-Active Architectures Using Metal-Complex Functionalized Perylene Bis-imides. <i>Inorganic Chemistry</i> , 2009, 48, 10264-10274.	4.0	39
59	Molecular imaging of polyimide formation. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1209.	2.8	55
60	Hydrogen-bonding tectons for the construction of bimolecular framework materials. <i>CrystEngComm</i> , 2008, 10, 1782.	2.6	22
61	Bis-morpholine-Substituted Perylene Bisimides: Impact of Isomeric Arrangement on Electrochemical and Spectroelectrochemical Properties. <i>Journal of Organic Chemistry</i> , 2008, 73, 8808-8814.	3.2	32
62	Post-coordination functionalisation of pyrazolyl-based ligands as a route to polynuclear complexes based on an inert Ru <sup>II</sup> N <sub>6</sub> core. <i>New Journal of Chemistry</i> , 2008, 32, 73-82.	2.8	16
63	Mixed-Ligand Molecular Paneling: Dodecanuclear Cuboctahedral Coordination Cages Based on a Combination of Edge-Bridging and Face-Capping Ligands. <i>Journal of the American Chemical Society</i> , 2008, 130, 11641-11649.	13.7	77
64	Localization and Delocalization in a Mixed-Valence Dicopper Helicate. <i>Inorganic Chemistry</i> , 2007, 46, 2417-2426.	4.0	28
65	A closed molecular cube and an open book: two different products from assembly of the same metal salt and bridging ligand. <i>Dalton Transactions</i> , 2006, , 542-544.	3.3	41
66	Complexes of Ag(i), Hg(i) and Hg(ii) with multidentate pyrazolyl-pyridine ligands: from mononuclear complexes to coordination polymers via helicates, a mesocate, a cage and a catenate. <i>Dalton Transactions</i> , 2006, , 4996.	3.3	73
67	Coordination Chemistry of Tetradentate N-Donor Ligands Containing Two Pyrazolyl-Pyridine Units Separated by a 1,8-Naphthyl Spacer: Dodecanuclear and Tetranuclear Coordination Cages and Cyclic Helicates. <i>Inorganic Chemistry</i> , 2006, 45, 3905-3919.	4.0	114
68	High-nuclearity Homoleptic and Heteroleptic Coordination Cages Based on Tetra-Capped Truncated Tetrahedral and Cuboctahedral Metal Frameworks. <i>Journal of the American Chemical Society</i> , 2006, 128, 72-73.	13.7	132
69	Homo- and heteropolynuclear helicates with a $\text{e}^{-2} + 3 + 2\text{e}^{-\text{TM}}$ -dentate compartmental ligand. <i>New Journal of Chemistry</i> , 2005, 29, 904.	2.8	45
70	Diastereoselective formation and optical activity of an M <sub>4</sub> L <sub>6</sub> cage complex. <i>Chemical Communications</i> , 2005, , 4647.	4.1	75
71	Biphenyl macrolactams in anion complexation. Selective naked-eye fluoride recognition. <i>Tetrahedron</i> , 2004, 60, 9471-9478.	1.9	61
72	Structures and anion-binding properties of M <sub>4</sub> L <sub>6</sub> tetrahedral cage complexes with large central cavities. <i>Dalton Transactions</i> , 2004, , 3453.	3.3	90

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73	Gold(I)-Catalyzed Nucleophilic Allylation of Azinium Ions with Allylboronates. <i>Angewandte Chemie</i> , 0, , .	2.0	0
74	Calcium coordination compounds of anionic forms of hydrogen dipicolinate and quinolinate: synthesis, characterization, crystal structures and DFT studies. <i>Structural Chemistry</i> , 0, , 1.	2.0	0
75	Structural and Electronic Studies of Substituted <i>m</i> -Terphenyl Group 12 Complexes. <i>Organometallics</i> , 0, , .	2.3	2