

# Sean Parkin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11550026/publications.pdf>

Version: 2024-02-01

99  
papers

4,750  
citations

87843

38  
h-index

98753

67  
g-index

99  
all docs

99  
docs citations

99  
times ranked

5391  
citing authors

#	ARTICLE	IF	CITATIONS
1	Framework-Catenation Isomerism in Metal-Organic Frameworks and Its Impact on Hydrogen Uptake. <i>Journal of the American Chemical Society</i> , 2007, 129, 1858-1859.	6.6	608
2	A Mesoporous Metal-Organic Framework with Permanent Porosity. <i>Journal of the American Chemical Society</i> , 2006, 128, 16474-16475.	6.6	314
3	Light-activated ruthenium complexes photobind DNA and are cytotoxic in the photodynamic therapy window. <i>Chemical Communications</i> , 2012, 48, 9649.	2.2	282
4	AnS= 6 Cyanide-Bridged Octanuclear FeIII4NiII4Complex that Exhibits Slow Relaxation of the Magnetization. <i>Journal of the American Chemical Society</i> , 2006, 128, 4214-4215.	6.6	208
5	Single-Molecule Magnets Constructed from Cyanometalates: $\{[Tp^*Fe^{III}(CN)_3M^{II}(DMF)_4]_2[OTf]_2\} \cdot 2DMF$ (MII= Co, Ni). <i>Inorganic Chemistry</i> , 2005, 44, 4903-4905.	1.9	182
6	Bistetracene: An Air-Stable, High-Mobility Organic Semiconductor with Extended Conjugation. <i>Journal of the American Chemical Society</i> , 2014, 136, 9248-9251.	6.6	150
7	Novel mechanism for defective receptor binding of apolipoprotein E2 in type III hyperlipoproteinemia. <i>Nature Structural and Molecular Biology</i> , 1996, 3, 718-722.	3.6	115
8	Halobenzenes and Ir(I): A Kinetic C-H Oxidative Addition and Thermodynamic C-Hal Oxidative Addition. <i>Journal of the American Chemical Society</i> , 2005, 127, 16772-16773.	6.6	110
9	AnS= 2 Cyanide-Bridged Trinuclear FeIII2NiII Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2006, 45, 5251-5253.	1.9	104
10	Reactivity and Derivatization of Five-Coordinate, Chelated Aluminum. <i>Inorganic Chemistry</i> , 2001, 40, 6782-6787.	1.9	103
11	Stability and Porosity Enhancement through Concurrent Ligand Extension and Secondary Building Unit Stabilization. <i>Inorganic Chemistry</i> , 2006, 45, 7566-7568.	1.9	90
12	Double C-H Activation Results in Ruthenium Complexes of a Neutral PCP Ligand with a Central Carbene Moiety. <i>Organometallics</i> , 2006, 25, 5345-5354.	1.1	85
13	Determination of the Structure of $[Os(.eta\text{-}2\text{-}H_2)en_2CH_3CO_2]PF_6$ by X-ray and Neutron Diffraction. <i>Journal of the American Chemical Society</i> , 1994, 116, 4352-4356.	6.6	79
14	Macromolecular Cryocrystallography: Cooling, Mounting, Storage and Transportation of Crystals. <i>Journal of Applied Crystallography</i> , 1998, 31, 945-953.	1.9	79
15	Synthesis and Spectroscopic and Magnetic Characterization of Tris(3,5-dimethylpyrazol-1-yl)borate Iron Tricyanide Building Blocks, a Cluster, and a One-Dimensional Chain of Squares. <i>Inorganic Chemistry</i> , 2006, 45, 1951-1959.	1.9	77
16	Ancillary Ligand Functionalization of Cyanide-Bridged S = 6 FeIII4NiII4 Complexes for Molecule-Based Electronics. <i>Inorganic Chemistry</i> , 2006, 45, 7569-7571.	1.9	74
17	Photoactive Ru(II) Complexes With Dioxinophenanthroline Ligands Are Potent Cytotoxic Agents. <i>Inorganic Chemistry</i> , 2014, 53, 10030-10032.	1.9	71
18	Chlorination Increases the Persistence of Semiquinone Free Radicals Derived from Polychlorinated Biphenyl Hydroquinones and Quinones. <i>Journal of Organic Chemistry</i> , 2008, 73, 8296-8304.	1.7	70

#	ARTICLE	IF	CITATIONS
19	Hydrogen Bonding with Sulfur. <i>Crystal Growth and Design</i> , 2001, 1, 291-297.	1.4	69
20	Gold(I/III)-Phosphine Complexes as Potent Antiproliferative Agents. <i>Scientific Reports</i> , 2019, 9, 12335.	1.6	68
21	A Two-Dimensional Octacyanomolybdate(V)-Based Ferrimagnet: $\{[\text{MnII}(\text{DMF})_4]_3[\text{MoV}(\text{CN})_8]_2\}_n$ . <i>Inorganic Chemistry</i> , 2006, 45, 4307-4309.	1.9	67
22	A new type of DNA "light-switch": a dual photochemical sensor and metalating agent for duplex and G-quadruplex DNA. <i>Chemical Communications</i> , 2014, 50, 311-313.	2.2	64
23	Toward Optimal Ru(II) Photocages: Balancing Photochemistry, Stability, and Biocompatibility Through Fine Tuning of Steric, Electronic, and Physiochemical Features. <i>Inorganic Chemistry</i> , 2020, 59, 1006-1013.	1.9	55
24	Group 13 Cation Formation with a Potentially Tridentate Ligand. <i>Organometallics</i> , 2000, 19, 4416-4421.	1.1	50
25	Polymorphism and Phase Behaviors of 2-(Phenylamino)nicotinic Acid. <i>Crystal Growth and Design</i> , 2008, 8, 4006-4013.	1.4	49
26	Ruthenium Complex "Light Switches" that are Selective for Different G-Quadruplex Structures. <i>Chemistry - A European Journal</i> , 2016, 22, 550-559.	1.7	49
27	Triisopropylsilyl ethynyl-Functionalized Graphene-Like Fragment Semiconductors: Synthesis, Crystal Packing, and Density Functional Theory Calculations. <i>Chemistry - A European Journal</i> , 2013, 19, 17907-17916.	1.7	48
28	Rational Functionalization of a C <sub>70</sub> Buckybowl To Enable a C <sub>70</sub> :Buckybowl Cocrystal for Organic Semiconductor Applications. <i>Journal of the American Chemical Society</i> , 2020, 142, 2460-2470.	6.6	48
29	Conformational flexibility in the apolipoprotein E amino-terminal domain structure determined from three new crystal forms: Implications for lipid binding. <i>Protein Science</i> , 2000, 9, 886-897.	3.1	47
30	Photochemical Properties and Structure-Activity Relationships of Ru <sup>II</sup> Complexes with Pyridylbenzazole Ligands as Promising Anticancer Agents. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1687-1694.	1.0	45
31	Hydrophobic tail length, degree of fluorination and headgroup stereochemistry are determinants of the biocompatibility of (fluorinated) carbohydrate surfactants. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 65-74.	2.5	44
32	Synthesis and structure of environmentally relevant perfluorinated sulfonamides. <i>Journal of Fluorine Chemistry</i> , 2007, 128, 595-607.	0.9	42
33	Structure-activity relationships of anticancer ruthenium(II) complexes with substituted hydroxyquinolines. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 790-799.	2.6	42
34	Catalytic Dealkylation of Phosphates with Binuclear Boron Compounds. <i>Journal of the American Chemical Society</i> , 2002, 124, 1864-1865.	6.6	40
35	$[\text{M}(\text{H}_2\text{O})_2(15\text{-crown-5})](\text{NO}_3)_2$ : A System Rich in Polymorphic and Modulated Phases. <i>Crystal Growth and Design</i> , 2005, 5, 2225-2232.	1.4	39
36	Expansion of scalar validation criteria to three dimensions: the R <sub>tensor</sub> . <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2000, 56, 157-162.	0.3	38

#	ARTICLE	IF	CITATIONS
37	Early Metal Di- and Tricyanometalates: A Useful Building Blocks for Constructing Magnetic Clusters. <i>Inorganic Chemistry</i> , 2006, 45, 2773-2775.	1.9	38
38	Solution and Solid-State Study of Heteroleptic Hg(II)-Thiolates: A Crystal Structures of [Hg <sub>4</sub> I <sub>4</sub> (SCH <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub> ) <sub>4</sub> ] and [Hg <sub>4</sub> I <sub>8</sub> (SCH <sub>2</sub> CH <sub>2</sub> NH <sub>3</sub> ) <sub>2</sub> ] <sub>n</sub> ·nH <sub>2</sub> O. <i>Inorganic Chemistry</i> , 2006, 45, 2112-2118.	1.9	38
39	Cyclometalated Gold(III) Complexes Bearing DACH Ligands. <i>Inorganic Chemistry</i> , 2019, 58, 9326-9340.	1.9	38
40	Cancer cell-selective modulation of mitochondrial respiration and metabolism by potent organogold(III) dithiocarbamates. <i>Chemical Science</i> , 2020, 11, 10465-10482.	3.7	37
41	Zn <sup>2+</sup> = 4 structure without obvious pseudosymmetry: implications for the formation of solid-state compounds. <i>Acta Crystallographica Section B: Structural Science</i> , 2002, 58, 140-147.	1.8	36
42	Linear coordination of Hg(II) by cysteamine. <i>Polyhedron</i> , 2002, 21, 225-228.	1.0	36
43	Five-Coordinate Aluminum Bromides: A Synthesis, Structure, Cation Formation, and Cleavage of Phosphate Ester Bonds. <i>Journal of the American Chemical Society</i> , 2006, 128, 1147-1153.	6.6	35
44	Bis-tridentate N-Heterocyclic Carbene Ru(II) Complexes are Promising New Agents for Photodynamic Therapy. <i>Inorganic Chemistry</i> , 2020, 59, 8882-8892.	1.9	34
45	Synthesis, thermal properties, and cytotoxicity evaluation of hydrocarbon and fluorocarbon alkyl β-D-xylopyranoside surfactants. <i>Carbohydrate Research</i> , 2012, 349, 12-23.	1.1	32
46	Structure-Directing Influence of Halide in Mercury Thiolate Clusters. <i>Inorganic Chemistry</i> , 2005, 44, 5753-5760.	1.9	31
47	Mononuclear Schiff Base Boron Halides: A Synthesis, Characterization, and Dealkylation of Trimethyl Phosphate. <i>Inorganic Chemistry</i> , 2006, 45, 9213-9224.	1.9	31
48	Ru(II) complexes with diazine ligands: electronic modulation of the coordinating group is key to the design of a dual action photoactivated agents. <i>Chemical Communications</i> , 2018, 54, 12487-12490.	2.2	31
49	Cadmium-induced crystallization of proteins: II. Crystallization of the Salmonella typhimuri histidine-binding protein in complex with L-histidine, L-arginine, or L-lysine. <i>Protein Science</i> , 1998, 7, 600-604.	3.1	30
50	Expansion of scalar validation criteria to three dimensions: the R <sub>tensor</sub> . Erratum. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2000, 56, 317-317.	0.3	28
51	Synthesis and characterization of one- and two-dimensional octacyanometalate(V) networks: {[trans-MII(DMF) <sub>4</sub> ][cis-MII(DMF) <sub>4</sub> ] <sub>2</sub> [MV(CN) <sub>8</sub> ] <sub>2</sub> }] <sub>n</sub> (MII=Mn, Fe, Ni; MV=Mo, W). <i>Polyhedron</i> , 2007, 26, 2353-2366.	1.0	28
52	Anticancer gold(III)-bisphosphine complex alters the mitochondrial electron transport chain to induce in vivo tumor inhibition. <i>Chemical Science</i> , 2021, 12, 7467-7479.	3.7	28
53	Synthesis and X-ray crystal structures of dinuclear hydrogen-bonded cadmium and lead 2-aminoethanethiolates. <i>Polyhedron</i> , 2005, 24, 865-871.	1.0	27
54	The Ullmann Coupling Reaction: A New Approach to Tetraarylstannanes. <i>Organometallics</i> , 2006, 25, 4207-4214.	1.1	27

#	ARTICLE	IF	CITATIONS
55	Synthesis of polychlorinated biphenyls and their metabolites with a modified Suzuki-coupling. <i>Chemosphere</i> , 2004, 56, 735-744.	4.2	26
56	Mercuriophilic interaction in novel polynuclear Hg(II)-2-aminoethanethiolates. <i>Dalton Transactions</i> , 2005, , 3874.	1.6	25
57	Distorted Gold(I)-Phosphine Complexes as Antifungal Agents. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2455-2469.	2.9	24
58	Salen-supported dinuclear and trinuclear boron compounds. <i>Journal of Organometallic Chemistry</i> , 2002, 654, 36-43.	0.8	21
59	From Competition to Commensuration by Two Major Hydrogen-Bonding Motifs. <i>Crystal Growth and Design</i> , 2014, 14, 27-31.	1.4	19
60	Direct intramolecular carbon(sp <sup>2</sup> )-nitrogen(sp <sup>2</sup> ) reductive elimination from gold(III). <i>Dalton Transactions</i> , 2019, 48, 6273-6282.	1.6	18
61	Dealkylation with boron bromide chelates. <i>Journal of Organometallic Chemistry</i> , 2003, 666, 103-109.	0.8	17
62	Photochemical and Photobiological Properties of Pyridyl-pyrazol(in)e-Based Ruthenium(II) Complexes with Sub-micromolar Cytotoxicity for Phototherapy. <i>ACS Omega</i> , 2020, 5, 18894-18906.	1.6	17
63	Aluminum Phosphinate and Phosphates of Salen Ligands. <i>Inorganic Chemistry</i> , 2006, 45, 3970-3975.	1.9	16
64	Water-Soluble Gold(III)-Metformin Complex Alters Mitochondrial Bioenergetics in Breast Cancer Cells. <i>ChemMedChem</i> , 2021, 16, 3222-3230.	1.6	16
65	Five-coordinate organoaluminum acetylides and crystal structure of the hydrosylate, [Salophen(tBu)Al]2O. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 759-765.	0.8	15
66	Syntheses, structures, and magnetic characterization of dicyanometalate(II) building blocks: [NEt4][Tp*]MII(CN)2 [MII= Cr, Co, Ni; Tp* = hydridotris(3,5-dimethylpyrazol-1-yl)borate]. <i>Chemical Communications</i> , 2006, , 4036-4038.	2.2	15
67	Binuclear Salan borate compounds with three-coordinate boron atoms. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 523-528.	0.8	15
68	Polymorphism and solid-to-solid phase transitions of a simple organic molecule, 3-chloroisonicotinic acid. <i>CrystEngComm</i> , 2015, 17, 2389-2397.	1.3	15
69	Strong Hydrogen Bond Leads to a Fifth Crystalline Form and Polymorphism of Clonixin. <i>ChemistrySelect</i> , 2017, 2, 4942-4950.	0.7	15
70	Exploring six-coordinate germanium(IV)-diketonate complexes as anticancer agents. <i>Inorganica Chimica Acta</i> , 2020, 503, 119375.	1.2	14
71	Synthetic Control of Mitochondrial Dynamics: Developing Three-Coordinate Au(I) Probes for Perturbation of Mitochondria Structure and Function. <i>Jacs Au</i> , 2021, 1, 439-449.	3.6	14
72	Tuning Cyclometalated Gold(III) for Cysteine Arylation and Ligand-Directed Bioconjugation. <i>Inorganic Chemistry</i> , 2021, 60, 14582-14593.	1.9	14

#	ARTICLE	IF	CITATIONS
73	Structure of a monoclonal 2E8 Fab antibody fragment specific for the low-density lipoprotein-receptor binding region of apolipoprotein E refined at 1.9 Å. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 122-128.	2.5	13
74	Boron halide chelate compounds and their activity towards the demethylation of trimethylphosphate. Canadian Journal of Chemistry, 2002, 80, 1463-1468.	0.6	13
75	Packing conflicts in the $Z = 5$ structure of $\text{CF}_3(\text{CF}_2)_3(\text{CH}_2)_{10}\text{COOH}$ . Acta Crystallographica Section B: Structural Science, 2004, 60, 325-332.	1.8	13
76	Preferred formation of the carboxylic acid-pyridine heterosynthon in 2-anilino nicotinic acids. RSC Advances, 2016, 6, 81101-81109.	1.7	11
77	Short Excited-State Lifetimes Enable Photo-Oxidatively Stable Rubrene Derivatives. Journal of Physical Chemistry A, 2019, 123, 7558-7566.	1.1	11
78	Solution growth and thermal treatment of crystals lead to two new forms of 2-((2,6-dimethylphenyl)amino)benzoic acid. RSC Advances, 2018, 8, 15459-15470.	1.7	10
79	Solution behavior of Hg(II)-cystamine by UV-Vis and $^{199}\text{Hg}$ NMR. Main Group Chemistry, 2005, 4, 217-225.	0.4	9
80	Substituent Electronegativity and Isostructurality in the Polymorphism of Clonixin Analogues. Crystal Growth and Design, 2018, 18, 7006-7014.	1.4	8
81	Revisiting the reactivity of tetrachloroauric acid with $\text{N}(\text{N}(\text{N}))_2$ -bidentate ligands: structural and spectroscopic insights. Dalton Transactions, 2019, 48, 2093-2099.	1.6	8
82	Effect of Substituent Size and Isomerization on the Polymorphism of 2-(Naphthalenylamino)-benzoic Acids. Crystal Growth and Design, 2019, 19, 3694-3703.	1.4	6
83	An investigation of the polymorphism of a potent nonsteroidal anti-inflammatory drug flunixin. CrystEngComm, 2020, 22, 448-457.	1.3	6
84	4-Chlorobiphenyl-4-yl 2,2,2-trichloroethyl sulfate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o2464-o2464.	0.2	6
85	Crystal structure and density functional theory studies of toxic quinone metabolites of polychlorinated biphenyls. Chemosphere, 2011, 85, 386-392.	4.2	5
86	Crystal packing and crystallization tendency from the melt of 2-((2-ethylphenyl)amino)nicotinic acid. Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 9-16.	0.4	5
87	An exceptional 5:4 enantiomeric structure. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 223-231.	0.5	4
88	Synthesis and Characterisation of $[(\text{en})_2\text{Co}]^{3+}$ Complexes Coordinated by Substituted Thiourea Ligands. Australian Journal of Chemistry, 2013, 66, 944.	0.5	3
89	First example of a borate-bridged dimeric aluminum Schiff-base complex containing five-coordinate metal centers. Main Group Chemistry, 2005, 4, 91-96.	0.4	2
90	Crystal structure of (E)-13-{4-[(Z)-2-cyano-2-(3,4,5-trimethoxyphenyl)ethenyl]phenyl}parthenolide methanol hemisolvate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o1092-o1093.	0.2	2

#	ARTICLE	IF	CITATIONS
91	Synthesis, Characterization, and Stability of Dealkylated Salen-Supported Aluminum Phosphates. <i>Inorganic Chemistry</i> , 2021, 60, 4456-4462.	1.9	2
92	1-Bromo-4-chloro-2,5-dimethoxybenzene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o339-o339.	0.2	2
93	Reaction of 2-Pyridylmethylthiourea Derivatives with [(en)2Co(OSO2CF3)2]+ Induces Hypodentate Coordination of an Ethylenediamine Ligand. <i>Australian Journal of Chemistry</i> , 2014, 67, 933.	0.5	1
94	Monosuccinate ester of melampomagnolide B. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o372-o373.	0.2	1
95	Zwitterion formation and subsequent carboxylateâ€pyridinium NH synthon generation through isomerization of 2-anilinicnicotinic acid. <i>CrystEngComm</i> , 2018, 20, 6126-6132.	1.3	1
96	1-Bromo-2-chloro-4,5-dimethoxybenzene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o813-o813.	0.2	1
97	1-Bromo-2,3,6-trichloro-4,5-dimethoxybenzene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o487-o487.	0.2	1
98	Synthesis and crystal structures of 3,6-dihydroxypicolinic acid and its labile intermediate dipotassium 3-hydroxy-6-(sulfonatooxy)pyridine-2-carboxylate monohydrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 623-628.	0.2	0
99	3-(3,5-Dichlorophenyl)benzene-1,2-diol. <i>IUCrData</i> , 2019, 4, .	0.1	0