Julian Holstein

List of Publications by Year
in descending order

81 papers	3,595 citations	109264 35 h-index	138417 58 g-index
87 all docs	87 docs citations	87 times ranked	3195 citing authors

#	Article	IF	Citations
1	Rapid Structure Determination of Microcrystalline Molecular Compounds Using Electron Diffraction. Angewandte Chemie - International Edition, 2018, 57, 16313-16317.	7.2	206
2	Geometric Complementarity in Assembly and Guest Recognition of a Bent Heteroleptic cis-[Pd₂L^A₂L^B₂] Coordination Cage. Journal of the American Chemical Society, 2016, 138, 13750-13755.	14.4	194
3	Two-stage directed self-assembly of a cyclic [3]catenane. Nature Chemistry, 2015, 7, 354-358.	6.6	175
4	DSR: enhanced modelling and refinement of disordered structures with SHELXL. Journal of Applied Crystallography, 2015, 48, 933-938.	1.9	141
5	Morphological Control of Heteroleptic cisâ€•and transâ€Pd₂L₂Lâ€²₂ Cages. Angewandte Chemie - International Edition, 2017, 56, 8285-8289.	7.2	136
6	Mechanistic Interplay between Light Switching and Guest Binding in Photochromic [Pd₂Dithienylethene₄] Coordination Cages. Journal of the American Chemical Society, 2019, 141, 2097-2103.	6.6	132
7	Pd(II) Coordination Sphere Engineering: Pyridine Cages, Quinoline Bowls, and Heteroleptic Pills Binding One or Two Fullerenes. Journal of the American Chemical Society, 2019, 141, 8907-8913.	6.6	130
8	The generalized invariom database (GID). Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2013, 69, 91-104.	0.5	123
9	Chiral Selfâ€Discrimination and Guest Recognition in Heliceneâ€Based Coordination Cages. Angewandte Chemie - International Edition, 2019, 58, 5562-5566.	7.2	117
10	Large, heterometallic coordination cages based on ditopic metallo-ligands with 3-pyridyl donor groups. Chemical Science, 2015, 6, 1004-1010.	3.7	106
11	Chiral-at-Metal Phosphorescent Square-Planar Pt(II)-Complexes from an Achiral Organometallic Ligand. Journal of the American Chemical Society, 2017, 139, 6863-6866.	6.6	99
12	Selfâ€Assembly of a Giant Molecular Solomon Link from 30 Subcomponents. Angewandte Chemie - International Edition, 2014, 53, 11261-11265.	7.2	88
13	Sizeâ€Selective Encapsulation of Hydrophobic Guests by Selfâ€Assembled M₄L₆ Cobalt and Nickel Cages. Chemistry - A European Journal, 2013, 19, 3374-3382.	1.7	73
14	Catenation and encapsulation induce distinct reconstitutions within a dynamic library of mixed-ligand Zn₄L₆ cages. Chemical Science, 2016, 7, 2614-2620.	3.7	67
15	A Rotaxaneâ€like Cageâ€inâ€Ring Structural Motif for a Metallosupramolecular Pd₆L₁₂ Aggregate. Angewandte Chemie - International Edition, 2018, 57, 12171-12175.	7.2	66
16	Donorâ€Siteâ€Directed Rational Assembly of Heteroleptic cisâ€[Pd₂L₂Lâ€²₂] Coordination Cages from Picolyl Ligands. Chemistry - A European Journal, 2018, 24, 12976-12982.	1.7	64
17	N-Heterocyclic Carbene Stabilized Dichlorosilylene Transition-Metal Complexes of V(I), Co(I), and Fe(0). Inorganic Chemistry, 2011, 50, 8502-8508.	1.9	62
18	Anharmonic Motion in Experimental Charge Density Investigations. Journal of Physical Chemistry A, 2013, 117, 633-641.	1.1	61

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19	Long-Lived C₆₀ Radical Anion Stabilized Inside an Electron-Deficient Coordination Cage. Journal of the American Chemical Society, 2021, 143, 9718-9723.	6.6	60
20	Catenation and Aggregation of Multiâ€Cavity Coordination Cages. Angewandte Chemie - International Edition, 2018, 57, 13652-13656.	7.2	59
21	Morphologische Kontrolle von heteroleptischen cisâ€•und transâ€Pd₂L₂Lâ€²₂â€KÃfigen. Angewandte Chemie, 2017, 129, 8399-8404.	1.6	57
22	Hierarchical Assembly of an Interlocked M₈L₁₆ Container. Angewandte Chemie - International Edition, 2018, 57, 5534-5538.	7.2	57
23	Isolation and reactivity of an elusive diazoalkene. Nature Chemistry, 2021, 13, 587-593.	6.6	55
24	Towards extracting the charge density from normal-resolution data. Journal of Applied Crystallography, 2009, 42, 1110-1121.	1.9	50
25	An Experimental Charge Density Study of Two Isomers of Hexasilabenzene. Angewandte Chemie - International Edition, 2013, 52, 4478-4482.	7.2	49
26	Desymmetrization of an Octahedral Coordination Complex Inside a Selfâ€Assembled Exoskeleton. Chemistry - A European Journal, 2016, 22, 10791-10795.	1.7	46
27	Coalâ€Tar Dyeâ€based Coordination Cages and Helicates. Angewandte Chemie - International Edition, 2021, 60, 5673-5678.	7.2	46
28	Chiral Selfâ€Discrimination and Guest Recognition in Heliceneâ€Based Coordination Cages. Angewandte Chemie, 2019, 131, 5618-5622.	1.6	45
29	Backboneâ€Bridging Promotes Diversity in Heteroleptic Cages. Angewandte Chemie - International Edition, 2021, 60, 6403-6407.	7.2	44
30	Carboxylic Acid Functionalized Clathrochelate Complexes: Large, Robust, and Easy-to-Access Metalloligands. Inorganic Chemistry, 2016, 55, 4006-4015.	1.9	43
31	Lewis base mediated dismutation of trichlorosilane. Chemical Communications, 2012, 48, 7574.	2.2	41
32	Successive Photoswitching and Derivatization Effects in Photochromic Dithienyletheneâ€Based Coordination Cages. ChemPhotoChem, 2019, 3, 378-383.	1.5	40
33	Electrostatic properties of nine fluoroquinoloneantibiotics derived directly from their crystal structure refinements. CrystEngComm, 2012, 14, 2520-2531.	1.3	39
34	Selective C70 encapsulation by a robust octameric nanospheroid held together by 48 cooperative hydrogen bonds. Nature Communications, 2017, 8, 15109.	5.8	38
35	Dynamic Complexâ€toâ€Complex Transformations of Heterobimetallic Systems Influence the Cage Structure or Spin State of Iron(II) Ions. Angewandte Chemie - International Edition, 2020, 59, 3195-3200.	7.2	37
36	Establishing electron diffraction in chemical crystallography. Nature Reviews Chemistry, 2021, 5, 660-668.	13.8	37

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37	Crystal-field effects in<scp>L</scp>-homoserine: multipolesversusquantum chemistry. Acta Crystallographica Section A: Foundations and Advances, 2012, 68, 435-442.	0.3	36
38	Anionic Bipyridyl Ligands for Applications in Metallasupramolecular Chemistry. Chemistry - A European Journal, 2014, 20, 5592-5600.	1.7	35
39	The group 7 metal carbonyl complexes from a stable heteroleptic silylene PhC(NtBu)2SiNPh2. Dalton Transactions, 2012, 41, 12096.	1.6	34
40	An access to base-stabilized three-membered silicon heterocycles. Dalton Transactions, 2012, 41, 9601.	1.6	34
41	Reactivity Studies of Heteroleptic Silylenes PhC(NtBu)2SiX (X = NPh2, NMe2) toward Selected Azides. Organometallics, 2013, 32, 358-361.	1.1	34
42	Isoreticular Crystallization of Highly Porous Cubic Covalent Organic Cage Compounds**. Angewandte Chemie - International Edition, 2021, 60, 17455-17463.	7.2	34
43	Validation of experimental charge densities: refinement of the macrolide antibiotic roxithromycin. Acta Crystallographica Section B: Structural Science, 2010, 66, 568-577.	1.8	33
44	Ein rotaxanartiges KÃfigâ€mâ€Ringâ€Strukturmotiv fÃ¼r ein metallosupramolekulares Pd₆L₁₂â€Aggregat. Angewandte Chemie, 2018, 130, 12349-12353.	1.6	30
45	Tunable Fullerene Affinity of Cages, Bowls and Rings Assembled by Pd II Coordination Sphere Engineering. Chemistry - A European Journal, 2019, 25, 14921-14927.	1.7	28
46	Cooperativity of steric bulk and H-bonding in coordination sphere engineering: heteroleptic Pd^{II} cages and bowls by design. Chemical Science, 2022, 13, 1829-1834.	3.7	28
47	Fusarimine, a novel polyketide isoquinoline alkaloid, from the endophytic fungus Fusarium sp. LN12, isolated from Melia azedarach. Tetrahedron Letters, 2012, 53, 6372-6375.	0.7	27
48	Influence of size, shape, heteroatom content and dispersive contributions on guest binding in a coordination cage. Chemical Communications, 2017, 53, 11933-11936.	2.2	27
49	A Family of Heterobimetallic Cubes Shows Spinâ€Crossover Behaviour Near Room Temperature. Angewandte Chemie - International Edition, 2021, 60, 22562-22569.	7.2	26
50	Endohedral dynamics of pushâ€“pull rotor-functionalized cages. Chemical Communications, 2016, 52, 10411-10414.	2.2	25
51	A New Mechanicallyâ€Interlocked [Pd 2 L 4] Cage Motif by Dimerization of two Peptideâ€based Lemniscates. Angewandte Chemie - International Edition, 2020, 59, 22489-22493.	7.2	21
52	Ferrocene derivatives of liquid chiral molecules allow assignment of absolute configuration by X-ray crystallography. Tetrahedron: Asymmetry, 2017, 28, 1321-1329.	1.8	16
53	Hierarchischer Aufbau eines verflochtenen M₈L₁₆â€Containers. Angewandte Chemie, 2018, 130, 5632-5637.	1.6	16
54	Reaction of the Silylene PhC(NtBu)2SitBu with 4,4â€²-Bis(dimethylamino)thiobenzophenone and Treatment of the Silylene PhC(NtBu)2SiC(SiMe3)3with 3,5-Di-tert-butyl-o-benzoquinone. European Journal of Inorganic Chemistry, 2013, 2013, 2777-2781.	1.0	14

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55	Invariom refinement of a new monoclinic solvate of thiostrepton at 0.64â€…Ã… resolution. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 1530-1539.	2.5	14
56	Schnelle StrukturaufklÃ¤rung mikrokristalliner molekularer Verbindungen durch Elektronenbeugung. Angewandte Chemie, 2018, 130, 16551-16555.	1.6	14
57	Substrate and product binding inside a stimuli-responsive coordination cage acting as a singlet oxygen photosensitizer. Dalton Transactions, 2020, 49, 9404-9410.	1.6	14
58	RÃ¼ckgratâ€verknÃ¼pfte Liganden erhÃ¶hen die Vielfalt in heteroleptischen KoordinationskÃfigen. Angewandte Chemie, 2021, 133, 6473-6478.	1.6	14
59	Dynamische Komplexâ€zuâ€Komplexâ€Umwandlungen von heterobimetallischen Systemen und ihr Einfluss auf die KÃfigstruktur oder den Spinzustand von Eisen(II)â€ionen. Angewandte Chemie, 2020, 132, 3221-3226.	1.6	13
60	Polymorphic chiral squaraine crystallites in textured thin films. Chirality, 2020, 32, 619-631.	1.3	13
61	Catenierung und Aggregation von KoordinationskÃfigen mit mehreren KavitÃten. Angewandte Chemie, 2018, 130, 13840-13844.	1.6	12
62	Teerfarbenâ€basierte KoordinationskÃfige und â€helikate. Angewandte Chemie, 2021, 133, 5736-5741.	1.6	12
63	Design guidelines for an electron diffractometer for structural chemistry and structural biology. Acta Crystallographica Section D: Structural Biology, 2019, 75, 458-466.	1.1	12
64	The generalized invariom database (GID). Acta Crystallographica Section B: Structural Science, 2013, 69, 91-104.	1.8	11
65	First Enantioselective Total Synthesis of (+)-(R)-Pinnatolide Using an Asymmetric Domino Allylation Reaction. Organic Letters, 2012, 14, 4035-4037.	2.4	10
66	Synthesis of 20â€Membered Macrocyclic Pseudoâ€Natural Products Yields Inducers of LC3 Lipidation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
67	Quantifying intermolecular interactions for isoindole derivatives: substituent effect vs. crystal packing. Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 675-687.	0.4	7
68	IsoretikulÃre Kristallisation von hochporÃ¶sen kubischen kovalentorganischen KÃfigverbindungen**. Angewandte Chemie, 2021, 133, 17595-17604.	1.6	7
69	Temperatureâ€Dependent Dynamics of Pushâ€“Pull Rotor Systems Based on Acridinylidene Cyanoacetic Esters. European Journal of Organic Chemistry, 2017, 2017, 5141-5146.	1.2	6
70	Eine Familie von Heterobimetallischen WÃ¼rfeln zeigt Spinâ€Crossoverâ€Verhalten nahe Raumtemperatur. Angewandte Chemie, 2021, 133, 22736-22743.	1.6	6
71	Ein neues, mechanisch verzahntes [Pd 2 L 4] KÃfigmotiv durch Dimerisierung von zwei Peptidâ€basierten Lemniskaten. Angewandte Chemie, 2020, 132, 22675-22680.	1.6	4
72	RÃ¼cktitelbild: Morphologische Kontrolle von heteroleptischen cisâ€•und transâ€Pd₂L₂Lâ€²₂â€KÃfigen (Angew. Chem. 28/2017). Angewandte Chemie, 2017, 129, 8416-8416.	1.6	0

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73	Innentitelbild: Ein neues, mechanisch verzahntes [Pd₂L₄] KÃfigmotiv durch Dimerisierung von zwei Peptidâ€basierten Lemniskaten (Angew. Chem. 50/2020). Angewandte Chemie, 2020, 132, 22454-22454.	1.6	0
74	Frontispiece: Isoreticular Crystallization of Highly Porous Cubic Covalent Organic Cage Compounds. Angewandte Chemie - International Edition, 2021, 60, .	7.2	0
75	Frontispiz: IsoretikulÃre Kristallisation von hochporÃ¶sen kubischen kovalentorganischen KÃfigverbindungen. Angewandte Chemie, 2021, 133, .	1.6	0
76	Validation of charge-density refinements and application to molecules of biological interest. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, C380-C380.	0.3	0
77	Fast property comparison of fluoroquinolones with the revised Invariom database. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s207-s207.	0.3	0
78	Electrostatics of fluoroquinolone antibiotics derived from crystal structures. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C514-C514.	0.3	0
79	Monomer restraint library for supramolecular crystallography. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s396-s396.	0.3	0
80	Monomer restraint library for supramolecular crystallography. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s76-s76.	0.3	0
81	Engineering of supramolcular coordination spheres for selective fullerene binding and functionalisation. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e582-e582.	0.0	0