

Xavi Ribas

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149
papers

7,888
citations

49
h-index

84
g-index

177
ext. papers

8,724
ext. citations

8.1
avg, IF

6.05
L-index

#	Paper	IF	Citations
149	Copper-catalyzed aerobic oxidative functionalization of an arene C-H bond: evidence for an aryl-copper(III) intermediate. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12068-73	16.4	394
148	High mobility of dithiophene-tetrathiafulvalene single-crystal organic field effect transistors. <i>Journal of the American Chemical Society</i> , 2004 , 126, 984-5	16.4	314
147	The role of organometallic copper(III) complexes in homogeneous catalysis. <i>Chemical Science</i> , 2013 , 4, 2301	9.4	292
146	Correlation between crystal structure and mobility in organic field-effect transistors based on single crystals of tetrathiafulvalene derivatives. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8546-53	16.4	245
145	Observation of Fe(V)=O using variable-temperature mass spectrometry and its enzyme-like C-H and C=C oxidation reactions. <i>Nature Chemistry</i> , 2011 , 3, 788-93	17.6	242
144	Stereospecific C-H oxidation with H ₂ O ₂ catalyzed by a chemically robust site-isolated iron catalyst. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5720-3	16.4	234
143	Direct observation of CuI/CuIII redox steps relevant to Ullmann-type coupling reactions. <i>Chemical Science</i> , 2010 , 1, 326	9.4	226
142	Aryl C-H activation by CuI to form an organometallic aryl-CuIII species: a novel twist on copper disproportionation. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2991-4	16.4	216
141	Nucleophilic aryl fluorination and aryl halide exchange mediated by a Cu(I)/Cu(III) catalytic cycle. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19386-92	16.4	200
140	Asymmetric epoxidation with H ₂ O ₂ by manipulating the electronic properties of non-heme iron catalysts. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14871-8	16.4	189
139	Alkane hydroxylation by a nonheme iron catalyst that challenges the heme paradigm for oxygenase action. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15766-7	16.4	181
138	Sulfur K-edge X-ray absorption spectroscopy as a probe of ligand-metal bond covalency: metal vs ligand oxidation in copper and nickel dithiolene complexes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2316-26	16.4	149
137	Enantioselective hydroformylation by a Rh-catalyst entrapped in a supramolecular metallocage. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2680-7	16.4	134
136	Light-Controlled Interconversion between a Self-Assembled Triangle and a Rhombicuboctahedral Sphere. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 445-9	16.4	123
135	A novel platform for modeling oxidative catalysis in non-heme iron oxygenases with unprecedented efficiency. <i>Chemistry - A European Journal</i> , 2008 , 14, 5727-31	4.8	121
134	Facile C-H bond cleavage via a proton-coupled electron transfer involving a C-H...Cu(II) interaction. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12299-306	16.4	119
133	Sponge-like molecular cage for purification of fullerenes. <i>Nature Communications</i> , 2014 , 5, 5557	17.4	116

132	Biologically inspired non-heme iron-catalysts for asymmetric epoxidation; design principles and perspectives. <i>Chemical Communications</i> , 2015 , 51, 14285-98	5.8	115
131	Observation and mechanistic study of facile C-O bond formation between a well-defined aryl-copper(III) complex and oxygen nucleophiles. <i>Chemistry - A European Journal</i> , 2011 , 17, 10643-50	4.8	113
130	A biomimetic iron catalyst for the epoxidation of olefins with molecular oxygen at room temperature. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1425-9	16.4	101
129	O ₂ activation and selective phenolate ortho hydroxylation by an unsymmetric dicopper μ - η^1 : η^1 -peroxido complex. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2406-9	16.4	101
128	Metallosupramolecular receptors for fullerene binding and release. <i>Chemical Society Reviews</i> , 2016 , 45, 40-62	58.5	100
127	Modeling the cis-oxo-labile binding site motif of non-heme iron oxygenases: water exchange and oxidation reactivity of a non-heme iron(IV)-oxo compound bearing a tripodal tetradentate ligand. <i>Chemistry - A European Journal</i> , 2011 , 17, 1622-34	4.8	97
126	A Broad Substrate-Scope Method for Fast, Efficient and Selective Hydrogen Peroxide-Epoxidation. <i>Advanced Synthesis and Catalysis</i> , 2009 , 351, 348-352	5.6	97
125	Fine-tuning the electronic properties of highly stable organometallic Cu(III) complexes containing monoanionic macrocyclic ligands. <i>Chemistry - A European Journal</i> , 2005 , 11, 5146-56	4.8	97
124	A First Example of Cobalt-Catalyzed Remote C-H Functionalization of 8-Aminoquinolines Operating through a Single Electron Transfer Mechanism. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 1679-1688	5.6	97
123	Regioselective oxidation of nonactivated alkyl C-H groups using highly structured non-heme iron catalysts. <i>Journal of Organic Chemistry</i> , 2013 , 78, 1421-33	4.2	96
122	Efficient and selective peracetic Acid epoxidation catalyzed by a robust manganese catalyst. <i>Organic Letters</i> , 2008 , 10, 2095-8	6.2	88
121	An iron catalyst for oxidation of alkyl C-H bonds showing enhanced selectivity for methylenic sites. <i>Chemistry - A European Journal</i> , 2013 , 19, 1908-13	4.8	86
120	Evidence for a precursor complex in C-H hydrogen atom transfer reactions mediated by a manganese(IV) oxo complex. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5648-53	16.4	83
119	Assessing the impact of electronic and steric tuning of the ligand in the spin state and catalytic oxidation ability of the Fe(II)(Pytacn) family of complexes. <i>Inorganic Chemistry</i> , 2013 , 52, 9229-44	5.1	79
118	Iron Catalyzed Highly Enantioselective Epoxidation of Cyclic Aliphatic Enones with Aqueous H ₂ O ₂ . <i>Journal of the American Chemical Society</i> , 2016 , 138, 2732-8	16.4	78
117	Chiral manganese complexes with pinene appended tetradentate ligands as stereoselective epoxidation catalysts. <i>Dalton Transactions</i> , 2007 , 5539-45	4.3	74
116	Readily Accessible Bulky Iron Catalysts exhibiting Site Selectivity in the Oxidation of Steroidal Substrates. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5776-9	16.4	73
115	Regioselective Access to Sultam Motifs through Cobalt-Catalyzed Annulation of Aryl Sulfonamides and Alkynes using an 8-Aminoquinoline Directing Group. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 4003-4012	5.6	72

114	The mechanism of stereospecific C-H oxidation by Fe(Pytacn) complexes: bioinspired non-heme iron catalysts containing cis-labile exchangeable sites. <i>Chemistry - A European Journal</i> , 2013 , 19, 6724-38	4.8	72
113	Olefin-dependent discrimination between two nonheme HO-FeV=O tautomeric species in catalytic H ₂ O ₂ epoxidations. <i>Chemistry - A European Journal</i> , 2009 , 15, 3359-62	4.8	71
112	Tyrosinase-like reactivity in a Cu(III) ₂ (μ-O) ₂ species. <i>Chemistry - A European Journal</i> , 2008 , 14, 3535-8	4.8	69
111	Novel Cu(III) bis-1,2-dichalcogenene complexes with tunable 3D framework through alkaline cation coordination: a structural and theoretical study. <i>Chemistry - A European Journal</i> , 2004 , 10, 1691-704	4.8	69
110	Synergistic interplay of a non-heme iron catalyst and amino acid coligands in H ₂ O ₂ activation for asymmetric epoxidation of alkyl-substituted styrenes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2729-33	16.4	68
109	The Iron(II) Complex [Fe(CF ₃ SO ₃) ₂ (mcp)] as a Convenient, Readily Available Catalyst for the Selective Oxidation of Methylenic Sites in Alkanes. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 818-830	5.6	67
108	Highly stereoselective epoxidation with H ₂ O ₂ catalyzed by electron-rich aminopyridine manganese catalysts. <i>Organic Letters</i> , 2013 , 15, 6158-61	6.2	66
107	Stereoselective Epoxidation of Alkenes with Hydrogen Peroxide using a Bipyrrrolidine-Based Family of Manganese Complexes. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 65-70	5.6	65
106	Au(III)-aryl intermediates in oxidant-free C-N and C-O cross-coupling catalysis. <i>Chemical Science</i> , 2017 , 8, 946-952	9.4	57
105	Copper(II) hexaaza macrocyclic binuclear complexes obtained from the reaction of their copper(I) derivatives and molecular dioxygen. <i>Inorganic Chemistry</i> , 2006 , 45, 3569-81	5.1	56
104	Direct observation of two-electron Ag(I)/Ag(III) redox cycles in coupling catalysis. <i>Nature Communications</i> , 2014 , 5, 4373	17.4	54
103	Complete mechanism of sigma* intramolecular aromatic hydroxylation through O ₂ activation by a macrocyclic dicopper(I) complex. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17710-7	16.4	54
102	Stereospecific C-H Oxidation with H ₂ O ₂ Catalyzed by a Chemically Robust Site-Isolated Iron Catalyst. <i>Angewandte Chemie</i> , 2009 , 121, 5830-5833	3.6	53
101	Isolation of Key Organometallic Aryl-Co(III) Intermediates in Cobalt-Catalyzed C(sp)-H Functionalizations and New Insights into Alkyne Annulation Reaction Mechanisms. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14388-14397	16.4	50
100	Orthogonal Discrimination among Functional Groups in Ullmann-Type C-O and C-N Couplings. <i>Journal of Organic Chemistry</i> , 2016 , 81, 7315-25	4.2	48
99	Structural and kinetic study of reversible CO ₂ fixation by dicopper macrocyclic complexes. From intramolecular binding to self-assembly of molecular boxes. <i>Inorganic Chemistry</i> , 2007 , 46, 9098-110	5.1	48
98	Catalytic C ₆ , C ₆ Be, and C ₆ B Cross-Coupling Reactions Mediated by a Cu(I)/Cu(III) Redox Cycle. <i>Organometallics</i> , 2012 , 31, 7976-7982	3.8	47
97	Purification of Uranium-based Endohedral Metallofullerenes (EMFs) by Selective Supramolecular Encapsulation and Release. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11294-11299	16.4	45

96	Iron-catalyzed C-H hydroxylation and olefin cis-dihydroxylation using a single-electron oxidant and water as the oxygen-atom source. <i>Chemistry - A European Journal</i> , 2012 , 18, 13269-73	4.8	45
95	Oxidant-Free Au(I)-Catalyzed Halide Exchange and C(sp ²)-O Bond Forming Reactions. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13389-97	16.4	44
94	Fe(PyTACN)-Catalyzed cis-Dihydroxylation of Olefins with Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 947-956	5.6	42
93	Aryl C-H Activation by Cu(I) To Form an Organometallic Aryl-Cu(III) Species: A Novel Twist on Copper Disproportionation. <i>Angewandte Chemie</i> , 2002 , 114, 3117	3.6	41
92	Molecular mechanism of acid-triggered aryl-halide reductive elimination in well-defined aryl-Cu(III)-halide species. <i>Dalton Transactions</i> , 2010 , 39, 10458-63	4.3	39
91	Fast O ₂ binding at dicopper complexes containing Schiff-base dinucleating ligands. <i>Inorganic Chemistry</i> , 2007 , 46, 4997-5012	5.1	39
90	Regiospecific C-H bond activation: reversible H/D exchange promoted by Cu(I) complexes with triazamacrocyclic ligands. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2941-4	16.4	39
89	Cu(I)/Cu(III) catalytic cycle involved in Ullmann-type cross-coupling reactions. <i>Pure and Applied Chemistry</i> , 2014 , 86, 345-360	2.1	36
88	Ein biomimetischer Eisenkatalysator für die Epoxidation von Olefinen mit molekularem Sauerstoff bei Raumtemperatur. <i>Angewandte Chemie</i> , 2011 , 123, 1461-1465	3.6	34
87	Enantioselective C-H Lactonization of Unactivated Methylenes Directed by Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1584-1593	16.4	34
86	Ligand-Free Ullmann-Type C-Heteroatom Couplings Under Practical Conditions. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 3188-3195	3.2	32
85	O ₂ Activation and Selective Phenolate ortho Hydroxylation by an Unsymmetric Dicopper μ - η^1 -Peroxido Complex. <i>Angewandte Chemie</i> , 2010 , 122, 2456-2459	3.6	32
84	Alkaline side-coordination strategy for the design of nickel(II) and nickel(III) bis(1,2-diselenolene) complex based materials. <i>Inorganic Chemistry</i> , 2004 , 43, 3631-41	5.1	32
83	Organic Spin Ladders from Tetrathiafulvalene (TTF) Derivatives. <i>Advanced Functional Materials</i> , 2005 , 15, 1023-1035	15.6	31
82	Well-Defined Heterometallic and Unsymmetric M ₂ O ₂ Complexes Arising from Binding and Activation of O ₂ . <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 179-187	2.3	30
81	Highly Strained, Radially π -Conjugated Porphyrinylene Nanohoops. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18500-18507	16.4	29
80	Self-assembled tetragonal prismatic molecular cage highly selective for anionic guests. <i>Chemistry - A European Journal</i> , 2013 , 19, 1445-56	4.8	29
79	Peptide-mediated vectorization of metal complexes: conjugation strategies and biomedical applications. <i>Dalton Transactions</i> , 2016 , 45, 12970-82	4.3	29

78	Carboxylate-Assisted Formation of Aryl-Co(III) Masked-Carbenes in Cobalt-Catalyzed C-H Functionalization with Diazo Esters. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14649-14655	16.4	28
77	Novel Cu(III) bis-1,2-diselenolene complex with a highly extended 3D framework through Na ⁺ coordination. <i>CrystEngComm</i> , 2002 , 4, 564	3.3	28
76	Innocence and noninnocence of the ligands in bis(pyrazine-2,3-dithiolate and -diselenate) d-metal complexes. A theoretical and experimental study for the Cu(III), Au(III) and Ni(II) cases. <i>Dalton Transactions</i> , 2010 , 39, 4566-74	4.3	27
75	Reversible C Ejection from a Metallocage through the Redox-Dependent Binding of a Competitive Guest. <i>Chemistry - A European Journal</i> , 2017 , 23, 3016-3022	4.8	26
74	Aryl-O reductive elimination from reaction of well-defined aryl-Cu(III) species with phenolates: the importance of ligand reactivity. <i>Dalton Transactions</i> , 2011 , 40, 8796-9	4.3	26
73	Multistability in a family of DTTF organic radical based compounds (DTTF) ₄ [M(L) ₂] ₃ (M = Au, Cu; L = pds, pdt, bdt). <i>Journal of Materials Chemistry</i> , 2005 , 15, 3187		26
72	A Cu/Cu prototypical organometallic mechanism for the deactivation of an active pincer-like Cu catalyst in Ullmann-type couplings. <i>Chemical Communications</i> , 2017 , 53, 8786-8789	5.8	25
71	2D Layered coordination polymer based on an unusual mixed valence Cu(III)/Cu(I) bis-1,2-diselenolene compound. <i>CrystEngComm</i> , 2004 , 6, 589	3.3	25
70	Characterization and Reactivity Studies of a Terminal Copper-Nitrene Species. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14005-14008	16.4	25
69	A Bottom Up Approach Towards Artificial Oxygenases by Combining Iron Coordination Complexes and Peptides. <i>Chemical Science</i> , 2017 , 8, 3660-3667	9.4	24
68	Identification of BP16 as a non-toxic cell-penetrating peptide with highly efficient drug delivery properties. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 1652-63	3.9	24
67	Electrophilic arene hydroxylation and phenol O-H oxidations performed by an unsymmetric $\mu(1):\mu(1)$ -O ₂ -peroxo dicopper(II) complex. <i>Chemistry - A European Journal</i> , 2012 , 18, 2113-22	4.8	24
66	A New CuI Complex that Mimics the Cresolase Reaction of Tyrosinase and the Crystal Structure of its Oxygenated CuII Complex. <i>European Journal of Inorganic Chemistry</i> , 2002 , 2002, 987-990	2.3	23
65	Bulk spontaneous magnetization in the new radical cation salt TM-TTF[Cr(NCS)(4)(isoquinoline)(2)] (TM-TTF = tetramethyltetrathiafulvalene). <i>Inorganic Chemistry</i> , 2003 , 42, 7544-9	5.1	23
64	Pro-Oxidant Activity of Amine-Pyridine-Based Iron Complexes Efficiently Kills Cancer and Cancer Stem-Like Cells. <i>PLoS ONE</i> , 2015 , 10, e0137800	3.7	22
63	Supramolecular Fullerene Sponges as Catalytic Masks for Regioselective Functionalization of C ₆₀ . <i>CheM</i> , 2020 , 6, 169-186	16.2	22
62	Readily Accessible Bulky Iron Catalysts exhibiting Site Selectivity in the Oxidation of Steroidal Substrates. <i>Angewandte Chemie</i> , 2016 , 128, 5870-5873	3.6	22
61	Design, Preparation, and Characterization of Zn and Cu Metallopeptides Based On Tetradentate Aminopyridine Ligands Showing Enhanced DNA Cleavage Activity. <i>Inorganic Chemistry</i> , 2015 , 54, 10542-58 ¹	5.1	21

60	Cyclometalated gold(III) complexes: noticeable differences between (N,C) and (P,C) ligands in migratory insertion. <i>Chemical Science</i> , 2018 , 9, 3932-3940	9.4	21
59	Stepwise construction of oligomeric 1,2-diselenolene platinum(IV) complexes. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4049-52	16.4	21
58	Chemodivergent Nickel(0)-Catalyzed Arene C \equiv C Activation with Alkynes: Unprecedented C \equiv C/C \equiv C Double Insertion. <i>ACS Catalysis</i> , 2019 , 9, 11074-11081	13.1	20
57	Aryl-copper(III)-acetylides as key intermediates in Csp ² -Csp model couplings under mild conditions. <i>Chemistry - A European Journal</i> , 2014 , 20, 10005-10	4.8	20
56	Trifluoromethylation of a Well-Defined Square-Planar Aryl-Ni Complex involving Ni ⁰ /CF and Ni ⁰ -CF Intermediate Species. <i>Chemistry - A European Journal</i> , 2017 , 23, 11662-11668	4.8	20
55	Coordination capabilities of a novel organic polychlorotriphenylmethyl monosulfonate radical. <i>Inorganic Chemistry</i> , 2006 , 45, 5383-92	5.1	20
54	Temperature dependence of the electrical properties of single-crystals of dithiophene-tetrathiafulvalene (DT-TTF). <i>Synthetic Metals</i> , 2004 , 146, 265-268	3.6	20
53	Complete Dynamic Reconstruction of C, C, and (CN) Encapsulation into an Adaptable Supramolecular Nanocapsule. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16051-16063	16.4	20
52	Engineering Homochiral Metal-Organic Frameworks by Spatially Separating 1D Chiral Metal-Peptide Ladders: Tuning the Pore Size for Enantioselective Adsorption. <i>Chemistry - A European Journal</i> , 2015 , 21, 9964-9	4.8	19
51	Synergistic Interplay of a Non-Heme Iron Catalyst and Amino Acid Coligands in H ₂ O ₂ Activation for Asymmetric Epoxidation of β -Alkyl-Substituted Styrenes. <i>Angewandte Chemie</i> , 2015 , 127, 2767-2771	3.6	19
50	A three-shell supramolecular complex enables the symmetry-mismatched chemo- and regioselective bis-functionalization of C. <i>Nature Chemistry</i> , 2021 , 13, 420-427	17.6	19
49	Silver(I)-Catalyzed C \equiv C, C \equiv C, C \equiv N, and C \equiv O Cross-Couplings Using Aminoquinoline Directing Group via Elusive Aryl-Ag(III) Species. <i>ACS Catalysis</i> , 2018 , 8, 10430-10436	13.1	19
48	Self-assembling of nanoscopic molecular rectangles, extended helicates and porous-like materials based on macrocyclic dicopper building blocks under fine supramolecular control. <i>Chemical Communications</i> , 2007 , 4410-2	5.8	18
47	Self-Assembled Cofacial Zinc-Porphyrin Supramolecular Nanocapsules as Tuneable O ₂ Photosensitizers. <i>Chemistry - A European Journal</i> , 2018 , 24, 4371-4381	4.8	17
46	Current Mechanistic Understanding of Cobalt-Catalyzed C \equiv C Functionalization. <i>Advances in Organometallic Chemistry</i> , 2018 , 69, 209-282	3.8	17
45	Size-selective encapsulation of C and C-derivatives within an adaptable naphthalene-based tetragonal prismatic supramolecular nanocapsule. <i>Chemical Communications</i> , 2019 , 55, 798-801	5.8	17
44	Evidence for a Precursor Complex in C \equiv H Hydrogen Atom Transfer Reactions Mediated by a Manganese(IV) Oxo Complex. <i>Angewandte Chemie</i> , 2011 , 123, 5766-5771	3.6	16
43	A Copper-based Supramolecular Nanocapsule that Enables Straightforward Purification of Sc N-based Endohedral Metallofullerene Soots. <i>Chemistry - A European Journal</i> , 2017 , 23, 3553-3557	4.8	15

42	Design of Zn-, Cu-, and Fe-Coordination Complexes Confined in a Self-Assembled Nanocage. <i>Inorganic Chemistry</i> , 2018 , 57, 3529-3539	5.1	15
41	Enzyme-triggered delivery of chlorambucil from conjugates based on the cell-penetrating peptide BP16. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 1470-80	3.9	13
40	Fundamental Basis for Implementing Oxidant-Free Au(I)/Au(III) Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 2556-2569	2.3	13
39	Model C-C Hultley Coupling Catalysis that Operates through a Well-Defined CuI/CuIII Mechanism. <i>ChemCatChem</i> , 2013 , 5, 687-691	5.2	13
38	In vitro and in vivo identification of tetradentated polyamine complexes as highly efficient metallodrugs against <i>Trypanosoma cruzi</i> . <i>Experimental Parasitology</i> , 2016 , 164, 20-30	2.1	12
37	Structural, magnetic, and electrical characterization of new polycrystalline phases of nickel- and platinum-doped [(DT-TTF) _n][Au(mnt) ₂] (n = 1, 2). <i>Inorganic Chemistry</i> , 2005 , 44, 2358-66	5.1	12
36	Magnetic and electrical properties of (DT-TTF) ₄ [Au(pds) ₂] ₃ . <i>Polyhedron</i> , 2003 , 22, 2447-2452	2.7	12
35	Supramolecular Purification and Regioselective Functionalization of Fullerenes and Endohedral Metallofullerenes. <i>Chem</i> , 2020 , 6, 3219-3262	16.2	12
34	Model Macrocyclic Ligands for Proof-of-Concept Mechanistic Studies in Transition-Metal Catalysis. <i>Chemistry - A European Journal</i> , 2018 , 24, 1222-1230	4.8	11
33	Nanosized trigonal prismatic and antiprismatic CuII coordination cages based on tricarboxylate linkers. <i>Dalton Transactions</i> , 2008 , 1679-82	4.3	10
32	Mechanistic insights into the S ₂ -type reactivity of aryl-Co(III) masked-carbenes for C-C bond forming transformations. <i>Chemical Science</i> , 2018 , 9, 5736-5746	9.4	10
31	Direct use of CO ₂ for O-arylcarbamate synthesis via mild Cu(II)-catalyzed aerobic C-H functionalization in pincer-like macrocyclic systems. <i>Journal of Organometallic Chemistry</i> , 2017 , 845, 44-48 ³	4.3	9
30	Characterization and Reactivity Studies of a Terminal Copper Nitrene Species. <i>Angewandte Chemie</i> , 2016 , 128, 14211-14214	3.6	9
29	Redox-controlled molecular flipper based on a chiral Cu complex. <i>Inorganic Chemistry</i> , 2006 , 45, 9643-5	5.1	9
28	C-F Activation for C(sp)-C(sp) Cross-Coupling by a Secondary Phosphine Oxide (SPO)-Nickel Complex. <i>Organic Letters</i> , 2020 , 22, 7034-7040	6.2	9
27	Highly selective encapsulation and purification of U-based C-EMFs within a supramolecular nanocapsule. <i>Nanoscale</i> , 2019 , 11, 23035-23041	7.7	9
26	Aerobic C-C and C-O bond formation reactions mediated by high-valent nickel species. <i>Chemical Science</i> , 2019 , 10, 10366-10372	9.4	9
25	Pincerlike Cyclic Systems for Unraveling Fundamental Coinage Metal Redox Processes. <i>Topics in Organometallic Chemistry</i> , 2015 , 269-306	0.6	8

24	Regiospecific C-H Bond Activation: Reversible H/D Exchange Promoted by CuI Complexes with Triazamacrocyclic Ligands. <i>Angewandte Chemie</i> , 2006 , 118, 3007-3010	3.6	8
23	Purification of Uranium-based Endohedral Metallofullerenes (EMFs) by Selective Supramolecular Encapsulation and Release. <i>Angewandte Chemie</i> , 2018 , 130, 11464-11469	3.6	7
22	Delivering aminopyridine ligands into cancer cells through conjugation to the cell-penetrating peptide BP16. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 4061-70	3.9	7
21	Sequential Deconstruction-Reconstruction of Metal-Organic Frameworks: An Alternative Strategy for Synthesizing (Multi)-Layered ZIF Composites. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23952-23960	2.5	6
20	Insights into the Mechanism of Modern Ullmann-Goldberg Coupling Reactions 2013 , 253-279		6
19	The Bioinorganic and Organometallic Chemistry of Copper(III) 2010 , 31-57		6
18	Tetradentate polyamines as efficient metallodrugs for Chagas disease treatment in murine model. <i>Journal of Chemotherapy</i> , 2017 , 29, 83-93	2.3	5
17	Stepwise Construction of Oligomeric 1,2-Diselenolene Platinum(IV) Complexes. <i>Angewandte Chemie</i> , 2004 , 116, 4141-4144	3.6	5
16	Molecular compounds based on DT-TTF and Au(cdc) 2 complex. Structural, magnetic and electrical properties. <i>Polyhedron</i> , 2003 , 22, 2415-2422	2.7	5
15	Ligand and solvent effects in the formation and self-assembly of a metallosupramolecular cage. <i>New Journal of Chemistry</i> , 2017 , 41, 1179-1185	3.6	4
14	Aromatic/Vinylic Finkelstein Reaction 2013 , 239-251		4
13	Structural and electrical properties of (DT-TTF) ₂ [Cu(mnt) ₂]. <i>European Physical Journal Special Topics</i> , 2004 , 114, 497-499		3
12	Effective Tetradentate Compound Complexes against spp. that Act on Critical Enzymatic Pathways of These Parasites. <i>Molecules</i> , 2018 , 24,	4.8	3
11	Bioinspired Oxidations Catalyzed by Nonheme Iron and Manganese Complexes 2012 , 27-46		2
10	The low and high temperature phase transitions in the family of compounds (DT-TTF) ₄ [M(L) ₂] ₃ , M=[Au, Cu and L=[pds, pdt. <i>European Physical Journal Special Topics</i> , 2004 , 114, 539-537		2
9	Nickel-catalyzed Csp ² -OMe functionalization for chemoselective aromatic homologation en route to nanographenes.. <i>Chemistry - A European Journal</i> , 2022 ,	4.8	2
8	High-Valent Cu, Ag, and Au Coordination Compounds 2021 , 474-516		1
7	Preparation of a coordinatively saturated μ ₂ -η ² -peroxodicopper(II) compound. <i>Inorganica Chimica Acta</i> , 2018 , 481, 166-170	2.7	0

- 6 Organometallic Complexes of Copper **2021**, 0
- 5 Unravelling the mechanism of cobalt-catalysed remote C-H nitration of 8-aminoquinolinamides and expansion of substrate scope towards 1-naphthylpicolinamide. *Chemical Science*, **2020**, 11, 534-542 9.4 0
- 4 Well-Defined Aryl-Fell Complexes in Cross-Coupling and C-H Activation Processes. *Organometallics*, **2021**, 40, 1195-1200 3.8 0
- 3 Straightforward supramolecular purification of C84 from a fullerene extract. *Organic Chemistry Frontiers*, **2021**, 8, 4101-4105 5.2 0
- 2 Cobalt-Catalyzed Cross-Coupling Reactions1-53
- 1 Recent Advances in Cobalt-Catalyzed Cross-coupling Reactions **2018**, 297-328