

# Xavi Ribas

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3760297/xavi-ribas-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Nickel-catalyzed Csp <sup>2</sup> -OMe functionalization for chemoselective aromatic homologation en route to nanographenes. <i>Chemistry - A European Journal</i> , <b>2022</b> ,	4.8	2
148	Organometallic Complexes of Copper <b>2021</b> ,		0
147	Well-Defined Aryl-Fell Complexes in Cross-Coupling and C <sub>≡</sub> N Activation Processes. <i>Organometallics</i> , <b>2021</b> , 40, 1195-1200	3.8	0
146	A three-shell supramolecular complex enables the symmetry-mismatched chemo- and regioselective bis-functionalization of C. <i>Nature Chemistry</i> , <b>2021</b> , 13, 420-427	17.6	19
145	Fundamental Basis for Implementing Oxidant-Free Au(I)/Au(III) Catalysis. <i>European Journal of Inorganic Chemistry</i> , <b>2021</b> , 2021, 2556-2569	2.3	13
144	Straightforward supramolecular purification of C <sub>84</sub> from a fullerene extract. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 4101-4105	5.2	0
143	High-Valent Cu, Ag, and Au Coordination Compounds <b>2021</b> , 474-516		1
142	Supramolecular Purification and Regioselective Functionalization of Fullerenes and Endohedral Metallofullerenes. <i>Chem</i> , <b>2020</b> , 6, 3219-3262	16.2	12
141	Supramolecular Fullerene Sponges as Catalytic Masks for Regioselective Functionalization of C <sub>60</sub> . <i>Chem</i> , <b>2020</b> , 6, 169-186	16.2	22
140	Unravelling the mechanism of cobalt-catalysed remote C-H nitration of 8-aminoquinolinamides and expansion of substrate scope towards 1-naphthylpicolinamide. <i>Chemical Science</i> , <b>2020</b> , 11, 534-542	9.4	0
139	Enantioselective C-H Lactonization of Unactivated Methylenes Directed by Carboxylic Acids. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 1584-1593	16.4	34
138	C-F Activation for C(sp)-C(sp) Cross-Coupling by a Secondary Phosphine Oxide (SPO)-Nickel Complex. <i>Organic Letters</i> , <b>2020</b> , 22, 7034-7040	6.2	9
137	Complete Dynamic Reconstruction of C, C, and (CN) Encapsulation into an Adaptable Supramolecular Nanocapsule. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 16051-16063	16.4	20
136	Chemodivergent Nickel(0)-Catalyzed Arene C <sub>≡</sub> N Activation with Alkynes: Unprecedented C <sub>≡</sub> N/C <sub>≡</sub> N Double Insertion. <i>ACS Catalysis</i> , <b>2019</b> , 9, 11074-11081	13.1	20
135	Highly Strained, Radially EConjugated Porphyrinylene Nano hoops. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18500-18507	16.4	29
134	Highly selective encapsulation and purification of U-based C-EMFs within a supramolecular nanocapsule. <i>Nanoscale</i> , <b>2019</b> , 11, 23035-23041	7.7	9
133	Aerobic C-C and C-O bond formation reactions mediated by high-valent nickel species. <i>Chemical Science</i> , <b>2019</b> , 10, 10366-10372	9.4	9

132	Size-selective encapsulation of C and C-derivatives within an adaptable naphthalene-based tetragonal prismatic supramolecular nanocapsule. <i>Chemical Communications</i> , <b>2019</b> , 55, 798-801	5.8	17
131	Self-Assembled Cofacial Zinc-Porphyrin Supramolecular Nanocapsules as Tuneable O Photosensitizers. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 4371-4381	4.8	17
130	Design of Zn-, Cu-, and Fe-Coordination Complexes Confined in a Self-Assembled Nanocage. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 3529-3539	5.1	15
129	Cyclometalated gold(III) complexes: noticeable differences between (N,C) and (P,C) ligands in migratory insertion. <i>Chemical Science</i> , <b>2018</b> , 9, 3932-3940	9.4	21
128	Model Macrocyclic Ligands for Proof-of-Concept Mechanistic Studies in Transition-Metal Catalysis. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1222-1230	4.8	11
127	Preparation of a coordinatively saturated $\eta^2$ -peroxodicopper(II) compound. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 481, 166-170	2.7	0
126	Purification of Uranium-based Endohedral Metallofullerenes (EMFs) by Selective Supramolecular Encapsulation and Release. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11464-11469	3.6	7
125	Current Mechanistic Understanding of Cobalt-Catalyzed C <sub>sp</sub> Functionalization. <i>Advances in Organometallic Chemistry</i> , <b>2018</b> , 69, 209-282	3.8	17
124	Sequential Deconstruction-Reconstruction of Metal-Organic Frameworks: An Alternative Strategy for Synthesizing (Multi)-Layered ZIF Composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23952-23960	9.5	6
123	Purification of Uranium-based Endohedral Metallofullerenes (EMFs) by Selective Supramolecular Encapsulation and Release. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11294-11299	16.4	45
122	Effective Tetradentate Compound Complexes against spp. that Act on Critical Enzymatic Pathways of These Parasites. <i>Molecules</i> , <b>2018</b> , 24,	4.8	3
121	Recent Advances in Cobalt-Catalyzed Cross-coupling Reactions <b>2018</b> , 297-328		
120	Silver(I)-Catalyzed C <sub>sp</sub> , C <sub>sp</sub> , C <sub>sp</sub> , and C <sub>sp</sub> Cross-Couplings Using Aminoquinoline Directing Group via Elusive Aryl-Ag(III) Species. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10430-10436	13.1	19
119	Mechanistic insights into the S <sub>2</sub> -type reactivity of aryl-Co(III) masked-carbenes for C-C bond forming transformations. <i>Chemical Science</i> , <b>2018</b> , 9, 5736-5746	9.4	10
118	Tetradentate polyamines as efficient metallodrugs for Chagas disease treatment in murine model. <i>Journal of Chemotherapy</i> , <b>2017</b> , 29, 83-93	2.3	5
117	Reversible C Ejection from a Metallocage through the Redox-Dependent Binding of a Competitive Guest. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 3016-3022	4.8	26
116	A Copper-based Supramolecular Nanocapsule that Enables Straightforward Purification of Sc N-based Endohedral Metallofullerene Soots. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 3553-3557	4.8	15
115	Direct use of CO <sub>2</sub> for O-arylcarbamate synthesis via mild Cu(II)-catalyzed aerobic C-H functionalization in pincer-like macrocyclic systems. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 845, 44-48	2.3	9

114	A Bottom Up Approach Towards Artificial Oxygenases by Combining Iron Coordination Complexes and Peptides. <i>Chemical Science</i> , <b>2017</b> , 8, 3660-3667	9.4	24
113	Ligand and solvent effects in the formation and self-assembly of a metallocsupramolecular cage. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 1179-1185	3.6	4
112	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> , <b>2017</b> , 139, 14649-14655	16.4	28
111	Trifluoromethylation of a Well-Defined Square-Planar Aryl-Ni Complex involving Ni /CF and Ni -CF Intermediate Species. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 11662-11668	4.8	20
110	A Cu/Cu prototypical organometallic mechanism for the deactivation of an active pincer-like Cu catalyst in Ullmann-type couplings. <i>Chemical Communications</i> , <b>2017</b> , 53, 8786-8789	5.8	25
109	Au(III)-aryl intermediates in oxidant-free C-N and C-O cross-coupling catalysis. <i>Chemical Science</i> , <b>2017</b> , 8, 946-952	9.4	57
108	Metallocsupramolecular receptors for fullerene binding and release. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 40-62	58.5	100
107	Characterization and Reactivity Studies of a Terminal Copper Nitrene Species. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14211-14214	3.6	9
106	Orthogonal Discrimination among Functional Groups in Ullmann-Type C-O and C-N Couplings. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 7315-25	4.2	48
105	Iron Catalyzed Highly Enantioselective Epoxidation of Cyclic Aliphatic Enones with Aqueous H <sub>2</sub> O <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 2732-8	16.4	78
104	In vitro and in vivo identification of tetradentated polyamine complexes as highly efficient metallodrugs against <i>Trypanosoma cruzi</i> . <i>Experimental Parasitology</i> , <b>2016</b> , 164, 20-30	2.1	12
103	Readily Accessible Bulky Iron Catalysts exhibiting Site Selectivity in the Oxidation of Steroidal Substrates. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5776-9	16.4	73
102	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> , <b>2016</b> , 358, 1679-1688	5.6	97
101	Readily Accessible Bulky Iron Catalysts exhibiting Site Selectivity in the Oxidation of Steroidal Substrates. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5870-5873	3.6	22
100	Peptide-mediated vectorization of metal complexes: conjugation strategies and biomedical applications. <i>Dalton Transactions</i> , <b>2016</b> , 45, 12970-82	4.3	29
99	Light-Controlled Interconversion between a Self-Assembled Triangle and a Rhombicuboctahedral Sphere. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 445-9	16.4	123
98	Delivering aminopyridine ligands into cancer cells through conjugation to the cell-penetrating peptide BP16. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 4061-70	3.9	7
97	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> , <b>2016</b> , 138, 14388-14397	16.4	50

96	Characterization and Reactivity Studies of a Terminal Copper-Nitrene Species. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14005-14008	16.4	25
95	Enzyme-triggered delivery of chlorambucil from conjugates based on the cell-penetrating peptide BP16. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 1470-80	3.9	13
94	Synergistic interplay of a non-heme iron catalyst and amino acid coligands in H <sub>2</sub> O <sub>2</sub> activation for asymmetric epoxidation of $\beta$ -alkyl-substituted styrenes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2729-33	16.4	68
93	Oxidant-Free Au(I)-Catalyzed Halide Exchange and C(sp <sup>2</sup> )-O Bond Forming Reactions. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 13389-97	16.4	44
92	Design, Preparation, and Characterization of Zn and Cu Metallopeptides Based On Tetradentate Aminopyridine Ligands Showing Enhanced DNA Cleavage Activity. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 10542-58	5.1	21
91	Biologically inspired non-heme iron-catalysts for asymmetric epoxidation; design principles and perspectives. <i>Chemical Communications</i> , <b>2015</b> , 51, 14285-98	5.8	115
90	Pincerlike Cyclic Systems for Unraveling Fundamental Coinage Metal Redox Processes. <i>Topics in Organometallic Chemistry</i> , <b>2015</b> , 269-306	0.6	8
89	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> , <b>2015</b> , 21, 9964-9	4.8	19
88	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> , <b>2015</b> , 357, 4003-4012	5.6	72
87	Pro-Oxidant Activity of Amine-Pyridine-Based Iron Complexes Efficiently Kills Cancer and Cancer Stem-Like Cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137800	3.7	22
86	Synergistic Interplay of a Non-Heme Iron Catalyst and Amino Acid Coligands in H <sub>2</sub> O <sub>2</sub> Activation for Asymmetric Epoxidation of $\beta$ -Alkyl-Substituted Styrenes. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 2767-2771	3.6	19
85	Enantioselective hydroformylation by a Rh-catalyst entrapped in a supramolecular metallocage. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2680-7	16.4	134
84	The Iron(II) Complex [Fe(CF <sub>3</sub> SO <sub>3</sub> ) <sub>2</sub> (mcp)] as a Convenient, Readily Available Catalyst for the Selective Oxidation of Methylenic Sites in Alkanes. <i>Advanced Synthesis and Catalysis</i> , <b>2014</b> , 356, 818-830	5.6	67
83	Cu(I)/Cu(III) catalytic cycle involved in Ullmann-type cross-coupling reactions. <i>Pure and Applied Chemistry</i> , <b>2014</b> , 86, 345-360	2.1	36
82	Ligand-Free Ullmann-Type C-Heteroatom Couplings Under Practical Conditions. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 3188-3195	3.2	32
81	Identification of BP16 as a non-toxic cell-penetrating peptide with highly efficient drug delivery properties. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 1652-63	3.9	24
80	Aryl-copper(III)-acetylides as key intermediates in Csp <sup>2</sup> -Csp model couplings under mild conditions. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 10005-10	4.8	20
79	Direct observation of two-electron Ag(I)/Ag(III) redox cycles in coupling catalysis. <i>Nature Communications</i> , <b>2014</b> , 5, 4373	17.4	54

78	Sponge-like molecular cage for purification of fullerenes. <i>Nature Communications</i> , <b>2014</b> , 5, 5557	17.4	116
77	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> , <b>2013</b> , 52, 9229-44	5.1	79
76	Asymmetric epoxidation with H <sub>2</sub> O <sub>2</sub> by manipulating the electronic properties of non-heme iron catalysts. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 14871-8	16.4	189
75	An iron catalyst for oxidation of alkyl C-H bonds showing enhanced selectivity for methylenic sites. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 1908-13	4.8	86
74	Aromatic/Vinyllic Finkelstein Reaction <b>2013</b> , 239-251		4
73	Highly stereoselective epoxidation with H <sub>2</sub> O <sub>2</sub> catalyzed by electron-rich aminopyridine manganese catalysts. <i>Organic Letters</i> , <b>2013</b> , 15, 6158-61	6.2	66
72	The role of organometallic copper(III) complexes in homogeneous catalysis. <i>Chemical Science</i> , <b>2013</b> , 4, 2301	9.4	292
71	Self-assembled tetragonal prismatic molecular cage highly selective for anionic guests. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 1445-56	4.8	29
70	Regioselective oxidation of nonactivated alkyl C-H groups using highly structured non-heme iron catalysts. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 1421-33	4.2	96
69	Insights into the Mechanism of Modern Ullmann-Goldberg Coupling Reactions <b>2013</b> , 253-279		6
68	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> , <b>2013</b> , 19, 6724-38	4.8	72
67	Fe(PyTACN)-Catalyzed cis-Dihydroxylation of Olefins with Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , <b>2013</b> , 355, 947-956	5.6	42
66	Model C-C Hultley Coupling Catalysis that Operates through a Well-Defined CuI/CuIII Mechanism. <i>ChemCatChem</i> , <b>2013</b> , 5, 687-691	5.2	13
65	Electrophilic arene hydroxylation and phenol O-H oxidations performed by an unsymmetric Cu(II):O <sub>2</sub> -peroxo dicopper(II) complex. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 2113-22	4.8	24
64	Well-Defined Heterometallic and Unsymmetric M <sub>2</sub> O <sub>2</sub> Complexes Arising from Binding and Activation of O <sub>2</sub> . <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 179-187	2.3	30
63	Stereoselective Epoxidation of Alkenes with Hydrogen Peroxide using a Bipyrrrolidine-Based Family of Manganese Complexes. <i>Advanced Synthesis and Catalysis</i> , <b>2012</b> , 354, 65-70	5.6	65
62	Catalytic C <sub>6</sub> , C <sub>6</sub> Be, and C <sub>6</sub> B Cross-Coupling Reactions Mediated by a CuI/CuIII Redox Cycle. <i>Organometallics</i> , <b>2012</b> , 31, 7976-7982	3.8	47
61	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> , <b>2012</b> , 18, 13269-73	4.8	45

60	Bioinspired Oxidations Catalyzed by Nonheme Iron and Manganese Complexes <b>2012</b> , 27-46		2
59	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> , <b>2011</b> , 3, 788-93	17.6	242
58	Nucleophilic aryl fluorination and aryl halide exchange mediated by a Cu(I)/Cu(III) catalytic cycle. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 19386-92	16.4	200
57	Ein biomimetischer Eisenkatalysator für die Epoxidation von Olefinen mit molekularem Sauerstoff bei Raumtemperatur. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 1461-1465	3.6	34
56	Evidence for a Precursor Complex in C-H Hydrogen Atom Transfer Reactions Mediated by a Manganese(IV) Oxo Complex. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 5766-5771	3.6	16
55	A biomimetic iron catalyst for the epoxidation of olefins with molecular oxygen at room temperature. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 1425-9	16.4	101
54	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> , <b>2011</b> , 50, 5648-53	16.4	83
53	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> , <b>2011</b> , 17, 1622-34	4.8	97
52	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> , <b>2011</b> , 17, 10643-50	4.8	113
51	Aryl-O reductive elimination from reaction of well-defined aryl-Cu(III) species with phenolates: the importance of ligand reactivity. <i>Dalton Transactions</i> , <b>2011</b> , 40, 8796-9	4.3	26
50	Direct observation of CuI/CuIII redox steps relevant to Ullmann-type coupling reactions. <i>Chemical Science</i> , <b>2010</b> , 1, 326	9.4	226
49	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> , <b>2010</b> , 132, 12299-306	16.4	119
48	Molecular mechanism of acid-triggered aryl-halide reductive elimination in well-defined aryl-Cu(III)-halide species. <i>Dalton Transactions</i> , <b>2010</b> , 39, 10458-63	4.3	39
47	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> , <b>2010</b> , 39, 4566-74	4.3	27
46	The Bioinorganic and Organometallic Chemistry of Copper(III) <b>2010</b> , 31-57		6
45	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> , <b>2010</b> , 132, 12068-73	16.4	394
44	O <sub>2</sub> Activation and Selective Phenolate ortho Hydroxylation by an Unsymmetric Dicopper $\mu$ : $\mu$ -Peroxido Complex. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 2456-2459	3.6	32
43	O <sub>2</sub> activation and selective phenolate ortho hydroxylation by an unsymmetric dicopper $\mu$ - $\eta$ 1: $\eta$ 1-peroxido complex. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 2406-9	16.4	101

42	A Broad Substrate-Scope Method for Fast, Efficient and Selective Hydrogen Peroxide-Epoxidation. <i>Advanced Synthesis and Catalysis</i> , <b>2009</b> , 351, 348-352	5.6	97
41	Olefin-dependent discrimination between two nonheme HO-FeV=O tautomeric species in catalytic H <sub>2</sub> O <sub>2</sub> epoxidations. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 3359-62	4.8	71
40	Stereospecific C-H Oxidation with H <sub>2</sub> O <sub>2</sub> Catalyzed by a Chemically Robust Site-Isolated Iron Catalyst. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 5830-5833	3.6	53
39	Stereospecific C-H oxidation with H <sub>2</sub> O <sub>2</sub> catalyzed by a chemically robust site-isolated iron catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5720-3	16.4	234
38	Complete mechanism of sigma* intramolecular aromatic hydroxylation through O <sub>2</sub> activation by a macrocyclic dicopper(I) complex. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 17710-7	16.4	54
37	Efficient and selective peracetic Acid epoxidation catalyzed by a robust manganese catalyst. <i>Organic Letters</i> , <b>2008</b> , 10, 2095-8	6.2	88
36	Tyrosinase-like reactivity in a Cu(III) <sub>2</sub> (mu-O) <sub>2</sub> species. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 3535-8	4.8	69
35	A novel platform for modeling oxidative catalysis in non-heme iron oxygenases with unprecedented efficiency. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 5727-31	4.8	121
34	Nanosized trigonal prismatic and antiprismatic Cu(I) coordination cages based on tricarboxylate linkers. <i>Dalton Transactions</i> , <b>2008</b> , 1679-82	4.3	10
33	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> , <b>2007</b> , 4410-2	5.8	18
32	Chiral manganese complexes with pinene appended tetradentate ligands as stereoselective epoxidation catalysts. <i>Dalton Transactions</i> , <b>2007</b> , 5539-45	4.3	74
31	Fast O <sub>2</sub> binding at dicopper complexes containing Schiff-base dinucleating ligands. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 4997-5012	5.1	39
30	Alkane hydroxylation by a nonheme iron catalyst that challenges the heme paradigm for oxygenase action. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 15766-7	16.4	181
29	Structural and kinetic study of reversible CO <sub>2</sub> fixation by dicopper macrocyclic complexes. From intramolecular binding to self-assembly of molecular boxes. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 9098-110	5.1	48
28	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> , <b>2007</b> , 129, 2316-26	16.4	149
27	Regiospecific C-H bond activation: reversible H/D exchange promoted by Cu(I) complexes with triazamacrocyclic ligands. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2941-4	16.4	39
26	Regiospecific C-H Bond Activation: Reversible H/D Exchange Promoted by Cu(I) Complexes with Triazamacrocyclic Ligands. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 3007-3010	3.6	8
25	Copper(II) hexaaza macrocyclic binuclear complexes obtained from the reaction of their copper(I) derivatives and molecular dioxygen. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 3569-81	5.1	56

24	Coordination capabilities of a novel organic polychlorotriphenylmethyl monosulfonate radical. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 5383-92	5.1	20
23	Redox-controlled molecular flipper based on a chiral Cu complex. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 9643-5	5.1	9
22	Multistability in a family of DT-TTF organic radical based compounds (DT-TTF) <sub>4</sub> [M(L) <sub>2</sub> ] <sub>3</sub> (M = Au, Cu; L = pds, pdt, bdt). <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 3187		26
21	Structural, magnetic, and electrical characterization of new polycrystalline phases of nickel- and platinum-doped [(DT-TTF) <sub>n</sub> ][Au(mnt) <sub>2</sub> ] (n = 1, 2). <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 2358-66	5.1	12
20	Organic Spin Ladders from Tetrathiafulvalene (TTF) Derivatives. <i>Advanced Functional Materials</i> , <b>2005</b> , 15, 1023-1035	15.6	31
19	Fine-tuning the electronic properties of highly stable organometallic Cu(III) complexes containing monoanionic macrocyclic ligands. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 5146-56	4.8	97
18	The low and high temperature phase transitions in the family of compounds (DT-TTF) <sub>4</sub> [M(L) <sub>2</sub> ] <sub>3</sub> , M = Au, Cu and L = pds, pdt. <i>European Physical Journal Special Topics</i> , <b>2004</b> , 114, 539-537		2
17	Structural and electrical properties of (DT-TTF) <sub>2</sub> [Cu(mnt) <sub>2</sub> ]. <i>European Physical Journal Special Topics</i> , <b>2004</b> , 114, 497-499		3
16	Stepwise construction of oligomeric 1,2-diselenolene platinum(IV) complexes. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 4049-52	16.4	21
15	Stepwise Construction of Oligomeric 1,2-Diselenolene Platinum(IV) Complexes. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 4141-4144	3.6	5
14	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> , <b>2004</b> , 10, 1691-704	4.8	69
13	2D Layered coordination polymer based on an unusual mixed valence Cu(III)/Cu(I) bis-1,2-diselenolene compound. <i>CrystEngComm</i> , <b>2004</b> , 6, 589	3.3	25
12	Alkaline side-coordination strategy for the design of nickel(II) and nickel(III) bis(1,2-diselenolene) complex based materials. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 3631-41	5.1	32
11	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> , <b>2004</b> , 126, 8546-53	16.4	245
10	Temperature dependence of the electrical properties of single-crystals of dithiophene-tetrathiafulvalene (DT-TTF). <i>Synthetic Metals</i> , <b>2004</b> , 146, 265-268	3.6	20
9	High mobility of dithiophene-tetrathiafulvalene single-crystal organic field effect transistors. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 984-5	16.4	314
8	Magnetic and electrical properties of (DT-TTF) <sub>4</sub> [Au(pds) <sub>2</sub> ] <sub>3</sub> . <i>Polyhedron</i> , <b>2003</b> , 22, 2447-2452	2.7	12
7	Molecular compounds based on DT-TTF and Au(cdc) <sub>2</sub> complex. Structural, magnetic and electrical properties. <i>Polyhedron</i> , <b>2003</b> , 22, 2415-2422	2.7	5

6	Bulk spontaneous magnetization in the new radical cation salt TM-TTF[Cr(NCS)(4)(isoquinoline)(2)] (TM-TTF = tetramethyltetrathiafulvalene). <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 7544-9	5.1	23
5	Aryl C-H Activation by CuI To Form an Organometallic Aryl-Cu(III) Species: A Novel Twist on Copper Disproportionation. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 3117	3.6	41
4	Aryl C-H activation by CuI to form an organometallic aryl-Cu(III) species: a novel twist on copper disproportionation. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 2991-4	16.4	216
3	A New CuI Complex that Mimics the Cresolase Reaction of Tyrosinase and the Crystal Structure of its Oxygenated CuI Complex. <i>European Journal of Inorganic Chemistry</i> , <b>2002</b> , 2002, 987-990	2.3	23
2	Novel Cu(III) bis-1,2-diselenolene complex with a highly extended 3D framework through Na <sup>+</sup> coordination. <i>CrystEngComm</i> , <b>2002</b> , 4, 564	3.3	28
1	Cobalt-Catalyzed Cross-Coupling Reactions 1-53		