

# Teodor Parella Coll

## List of Publications by Year in descending order

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318  
papers

10,728  
citations

36303

51  
h-index

62596

80  
g-index

359  
all docs

359  
docs citations

359  
times ranked

10115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Straightforward supramolecular purification of C <sub>84</sub> from a fullerene extract. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4101-4105.	4.5	6
2	Synthesis of $\hat{I}^3$ -Hydroxy- $\hat{I}^\pm$ -amino Acid Derivatives by Enzymatic Tandem Aldol Addition–Transamination Reactions. <i>ACS Catalysis</i> , 2021, 11, 4660-4669.	11.2	25
3	How to measure long-range proton–carbon coupling constants from <sup>1</sup> H–selective HSQMBC experiments. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 363-375.	1.9	7
4	Supramolecular Fullerene Sponges as Catalytic Masks for Regioselective Functionalization of C <sub>60</sub> . <i>CheM</i> , 2020, 6, 169-186.	11.7	65
5	An Enantiopure Propeller–Like Trityl–Brominated Radical: Bringing Together a High Racemization Barrier and an Efficient Circularly Polarized Luminescent Magnetic Emitter. <i>Chemistry - A European Journal</i> , 2020, 26, 3776-3781.	3.3	34
6	Simultaner enantiospezifischer Nachweis mehrerer Verbindungen in Mischungen mittels NMR–Spektroskopie. <i>Angewandte Chemie</i> , 2020, 132, 23821-23826.	2.0	0
7	Simultaneous Enantiospecific Detection of Multiple Compounds in Mixtures using NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23615-23619.	13.8	19
8	<sup>31</sup> P-NMR Metabolomics Revealed Species-Specific Use of Phosphorous in Trees of a French Guiana Rainforest. <i>Molecules</i> , 2020, 25, 3960.	3.8	7
9	Biocatalytic Construction of Quaternary Centers by Aldol Addition of 3,3-Disubstituted 2-Oxoacid Derivatives to Aldehydes. <i>Journal of the American Chemical Society</i> , 2020, 142, 19754-19762.	13.7	10
10	Evidence of Enantiomers of Spiroglycol. Distinction by Using $\hat{I}^\pm$ – $\hat{I}^\pm$ –Bis(trifluoromethyl)-9,10-anthracenedimethanol as a Chiral Solvating Agent and by Derivatization with Chiral Acids. <i>Journal of Organic Chemistry</i> , 2020, 85, 7247-7257.	3.2	7
11	LR-HSQMBC versus LR-selHSQMBC: Enhancing the Observation of Tiny Long-Range Heteronuclear NMR Correlations. <i>Journal of Natural Products</i> , 2020, 83, 1275-1282.	3.0	5
12	LR–selHSQMBC: Simultaneous Detection and Quantification of Very Weak Long-Range Heteronuclear NMR Correlations. <i>ChemPhysChem</i> , 2020, 21, 280-283.	2.1	1
13	Novel Heteroleptic Ruthenium(II) Complexes with 2,2–Bipyridines Containing a Series of Electron-Donor and Electron-Acceptor Substituents in 4,4–Positions: Syntheses, Characterization, and Application as Sensitizers for ZnO Nanowire-Based Solar Cells. <i>ACS Omega</i> , 2020, 5, 8097-8107.	3.5	8
14	Towards perfect NMR: Spin–echo versus perfect–echo building blocks. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 13-29.	1.9	13
15	Model-based optimization of the enzymatic aldol addition of propanal to formaldehyde: A first step towards enzymatic synthesis of 3-hydroxybutyric acid. <i>Chemical Engineering Research and Design</i> , 2019, 150, 140-152.	5.6	6
16	Electrophilic Iron Catalyst Paired with a Lithium Cation Enables Selective Functionalization of Non-Activated Aliphatic C–H Bonds via Metallocarbene Intermediates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13904-13911.	13.8	23
17	A novel mononuclear complex of 4,4–azobis-(2,2–bipyridine) coordinated to tetracyanoruthenium(II) can behave as a –molecular switch–. <i>Polyhedron</i> , 2019, 174, 114149.	2.2	4
18	Aldolase–Catalyzed Asymmetric Synthesis of N–Heterocycles by Addition of Simple Aliphatic Nucleophiles to Aminoaldehydes. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2673-2687.	4.3	19

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19	Practical aspects of the simultaneous collection of COSY and TOCSY spectra. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, S85-S94.	1.9	14
20	Enhancing the utility of 1JCH coupling constants in structural studies through optimized DFT analysis. <i>Chemical Communications</i> , 2019, 55, 5781-5784.	4.1	26
21	Broadband homodecoupled time-shared 1H-13C and 1H-15N HSQC experiments. <i>Journal of Magnetic Resonance</i> , 2019, 298, 23-30.	2.1	9
22	Simultaneous acquisition of two 2D HSQC spectra with different 13C spectral widths. <i>Journal of Magnetic Resonance</i> , 2019, 300, 1-7.	2.1	7
23	Interleaved Dual NMR Acquisition of Equivalent Transfer Pathways in TOCSY and HSQC Experiments. <i>ChemPhysChem</i> , 2019, 20, 356-360.	2.1	13
24	Incorporating BIRD-based homodecoupling in the dual-optimized, inverted 1JCC1,n-ADEQUATE experiment. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 1029-1036.	1.9	6
25	Isotropic/Anisotropic NMR Editing by Resolution-Enhanced NMR Spectroscopy. <i>ChemPhysChem</i> , 2018, 19, 1024-1029.	2.1	4
26	Nucleophile Promiscuity of Engineered Class II Pyruvate Aldolase YfaU from <i>E. coli</i> . <i>Angewandte Chemie</i> , 2018, 130, 3645-3649.	2.0	11
27	Nucleophile Promiscuity of Engineered Class II Pyruvate Aldolase YfaU from <i>E. coli</i> . <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3583-3587.	13.8	22
28	Design of Zn-, Cu-, and Fe-Coordination Complexes Confined in a Self-Assembled Nanocage. <i>Inorganic Chemistry</i> , 2018, 57, 3529-3539.	4.0	23
29	Current developments in homonuclear and heteronuclear J-resolved NMR experiments. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 230-250.	1.9	9
30	Titelbild: Nucleophile Promiscuity of Engineered Class II Pyruvate Aldolase YfaU from <i>E. coli</i> ( <i>Angew. Chem.</i> 14/2018). <i>Angewandte Chemie</i> , 2018, 130, 3581-3581.	2.0	0
31	Current developments in homonuclear and heteronuclear J-resolved NMR experiments. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 229-229.	1.9	0
32	Cyclometalated gold(III) complexes: noticeable differences between (N,C) and (P,C) ligands in migratory insertion. <i>Chemical Science</i> , 2018, 9, 3932-3940.	7.4	36
33	Response to Comment on "Direct Monitoring of Exogenous <sup>13</sup> C-Hydroxybutyric Acid in Body Fluids by NMR Spectroscopy" Several Issues to Consider When Quantifying <sup>13</sup> C-Hydroxybutyric Acid in Biological Matrixes. <i>Analytical Chemistry</i> , 2018, 90, 1046-1047.	6.5	0
34	Multiplicity-edited <sup>1</sup> H TOCSY experiment. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 976-982.	1.9	5
35	Implementing one-shot multiple-FID acquisition into homonuclear and heteronuclear NMR experiments. <i>Chemical Communications</i> , 2018, 54, 13507-13510.	4.1	16
36	NMR Spectroscopy, Applications, Small Molecule Structuring Strategies. , 2018, , 386-386.		0

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37	New Vistas in Transmetalation with Discrete $\text{AgCF}_3$ Species: Implications in Pd-Mediated Trifluoromethylation Reactions. <i>Chemistry - A European Journal</i> , 2018, 24, 11895-11898.	3.3	21
38	Biocatalytic Aldol Addition of Simple Aliphatic Nucleophiles to Hydroxyaldehydes. <i>ACS Catalysis</i> , 2018, 8, 8804-8809.	11.2	25
39	Exopolysaccharides from olive brines could reduce the adhesion of ETEC K88 to intestinal epithelial cells. <i>Food and Function</i> , 2018, 9, 3884-3894.	4.6	10
40	Improving the performance of $^1\text{H}$ -modulated ADEQUATE experiments through homonuclear decoupling and non-uniform sampling. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 191-197.	1.9	19
41	$^{13}\text{C}$ NMR Profile: Identification of Key Structural Features and Functionalities by Visual Observation and Direct Measurement of One-Bond Proton-Carbon Coupling Constants. <i>Journal of Organic Chemistry</i> , 2017, 82, 2040-2044.	3.2	17
42	Mononuclear ruthenium compounds bearing N-donor and N-heterocyclic carbene ligands: structure and oxidative catalysis. <i>Dalton Transactions</i> , 2017, 46, 2829-2843.	3.3	6
43	Breaking the Dogma of Aldolase Specificity: Simple Aliphatic Ketones and Aldehydes are Nucleophiles for Fructose-6-phosphate Aldolase. <i>Chemistry - A European Journal</i> , 2017, 23, 5005-5009.	3.3	29
44	Chiral Recognition by Dissolution DNP NMR Spectroscopy of $^{13}\text{C}$ -Labeled $\text{dL}$ -Methionine. <i>Analytical Chemistry</i> , 2017, 89, 4939-4944.	6.5	21
45	$^2\text{-Keto-3-Deoxy-}^1\text{-Rhamnonate Aldolase (YfaU)}$ as Catalyst in Aldol Additions of Pyruvate to Amino Aldehyde Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2090-2100.	4.3	20
46	Intramolecular Benzoin Reaction Catalyzed by Benzaldehyde Lyase from <i>Pseudomonas Fluorescens</i> Biovar I. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5304-5307.	13.8	13
47	Accurate measurement of $^1\text{H}$ in overlapped signals by a TOCSY-edited SERF Experiment. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 525-529.	1.9	18
48	Structural discrimination from <i>in situ</i> measurement of $^1\text{D}$ and $^2\text{D}$ residual dipolar coupling constants. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 540-545.	1.9	14
49	Perfect $^1\text{JCH}$ -resolved HSQC: Efficient measurement of one-bond proton-carbon coupling constants along the indirect dimension. <i>Journal of Magnetic Resonance</i> , 2017, 276, 37-42.	2.1	22
50	Chiral Induction in Intramolecular Rhodium-Catalyzed [2+2+2] Cycloadditions of Optically Active Allene-ene/allene Substrates. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 506-512.	4.3	11
51	Carboxylate-Assisted Formation of Aryl-Co(III) Masked-Carbenes in Cobalt-Catalyzed $^{\text{H}}$ Functionalization with Diazo Esters. <i>Journal of the American Chemical Society</i> , 2017, 139, 14649-14655.	13.7	36
52	Direct Monitoring of Exogenous $^3\text{-Hydroxybutyric Acid}$ in Body Fluids by NMR Spectroscopy. <i>Analytical Chemistry</i> , 2017, 89, 8343-8350.	6.5	31
53	Highly resolved HSQC experiments for the fast and accurate measurement of homonuclear and heteronuclear coupling constants. <i>Journal of Magnetic Resonance</i> , 2017, 282, 54-61.	2.1	5
54	Rhodium-Catalyzed [2+2+2] Cycloaddition Reactions of Linear Allene-ene-Ynes to afford Fused Tricyclic Scaffolds: Insights into the Mechanism. <i>Chemistry - A European Journal</i> , 2017, 23, 14889-14899.	3.3	22

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55	Dissimilar catalytic behavior of molecular or colloidal palladium systems with a new NHC ligand. Dalton Transactions, 2017, 46, 11768-11778.	3.3	9
56	2 J HH -resolved HSQC: Exclusive determination of geminal proton-proton coupling constants. Journal of Magnetic Resonance, 2017, 282, 18-26.	2.1	7
57	Au( <sup>iii</sup> )-aryl intermediates in oxidant-free C <sup>N</sup> and C <sup>O</sup> cross-coupling catalysis. Chemical Science, 2017, 8, 946-952.	7.4	77
58	Long-term fertilization determines different metabolomic profiles and responses in saplings of three rainforest tree species with different adult canopy position. PLoS ONE, 2017, 12, e0177030.	2.5	11
59	Shifts in plant foliar and floral metabolomes in response to the suppression of the associated microbiota. BMC Plant Biology, 2016, 16, 78.	3.6	40
60	Synthesis of (±)-Serralongamine A and the Revised Structure of Huperzine N. Journal of Organic Chemistry, 2016, 81, 2629-2634.	3.2	10
61	Selecting the Most Appropriate NMR Experiment to Access Weak and/or Very Long-Range Heteronuclear Correlations. Journal of Natural Products, 2016, 79, 1400-1406.	3.0	16
62	One-Shot Determination of Residual Dipolar Couplings: Application to the Structural Discrimination of Small Molecules Containing Multiple Stereocenters. Journal of Organic Chemistry, 2016, 81, 11126-11131.	3.2	27
63	Isolation of Key Organometallic Aryl-Co(III) Intermediates in Cobalt-Catalyzed C(sp <sup>2</sup> ) <sup>H</sup> Functionalizations and New Insights into Alkyne Annulation Reaction Mechanisms. Journal of the American Chemical Society, 2016, 138, 14388-14397.	13.7	60
64	Access to experimentally infeasible spectra by pure-shift NMR covariance. Journal of Magnetic Resonance, 2016, 270, 161-168.	2.1	14
65	Redox-Active Metallacarborane-Decorated Octasilsesquioxanes. Electrochemical and Thermal Properties. Inorganic Chemistry, 2016, 55, 11630-11634.	4.0	36
66	Rhodium-Catalyzed [2+2+2] Cycloadditions of Dienes with Morita-Baylis-Hillman Adducts: A Stereoselective Entry to Densely Functionalized Cyclohexadiene Scaffolds. Advanced Synthesis and Catalysis, 2016, 358, 1848-1853.	4.3	8
67	Optimized polarization build-up times in dissolution DNP-NMR using a benzyl amino derivative of BDPA. RSC Advances, 2016, 6, 27077-27082.	3.6	4
68	Exploring the use of Generalized Indirect Covariance to reconstruct pure shift NMR spectra: Current Pros and Cons. Journal of Magnetic Resonance, 2016, 266, 16-22.	2.1	18
69	Broadband <sup>1</sup> H homodecoupled NMR experiments: Recent developments, methods and applications. Magnetic Resonance in Chemistry, 2015, 53, ii-ii.	1.9	0
70	Homodecoupled <sup>1,1</sup> - and <sup>1, n</sup> -ADEQUATE: Pivotal NMR Experiments for the Structure Revision of Cryptospirolepine. Angewandte Chemie - International Edition, 2015, 54, 10160-10164.	13.8	49
71	Simultaneous determination of the magnitude and the sign of multiple heteronuclear coupling constants in <sup>19</sup> F or <sup>31</sup> P-containing compounds. Magnetic Resonance in Chemistry, 2015, 53, 427-432.	1.9	7
72	Structure-Guided Engineering of <sup>D</sup> -Fructose-6-Phosphate Aldolase for Improved Acceptor Tolerance in Biocatalytic Aldol Additions. Advanced Synthesis and Catalysis, 2015, 357, 1787-1807.	4.3	20

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73	Enantioselective Rhodium(I) Donor Carbenoid-Mediated Cascade Triggered by a Base-Free Decomposition of Arylsulfonyl Hydrazones. <i>Chemistry - A European Journal</i> , 2015, 21, 16240-16245.	3.3	37
74	A benzyl alcohol derivative of the BDPA radical for fast dissolution dynamic nuclear polarization NMR spectroscopy. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2689-2693.	2.8	12
75	Enantioselective Hydroformylation by a Rh-Catalyst Entrapped in a Supramolecular Metallocage. <i>Journal of the American Chemical Society</i> , 2015, 137, 2680-2687.	13.7	175
76	Engineered <i>L</i> -Serine Hydroxymethyltransferase from <i>Streptococcus thermophilus</i> for the Synthesis of $\alpha$ -Dialkyl- $\alpha$ -Amino Acids. <i>Angewandte Chemie</i> , 2015, 127, 3056-3060.	2.0	12
77	Implementing multiplicity editing in selective HSQMBC experiments. <i>Journal of Magnetic Resonance</i> , 2015, 252, 170-175.	2.1	10
78	Expedient Synthesis of C-Aryl Carbohydrates by Consecutive Biocatalytic Benzoin and Aldol Reactions. <i>Chemistry - A European Journal</i> , 2015, 21, 3335-3346.	3.3	13
79	Recent Advances in Small Molecule NMR: Improved HSQC and HSQMBC Experiments. <i>Annual Reports on NMR Spectroscopy</i> , 2015, 84, 163-232.	1.5	22
80	Engineered <i>L</i> -Serine Hydroxymethyltransferase from <i>Streptococcus thermophilus</i> for the Synthesis of $\alpha$ -Dialkyl- $\alpha$ -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3013-3017.	13.8	35
81	Ultra high-resolution HSQC: application to the efficient and accurate measurement of heteronuclear coupling constants. <i>Chemical Communications</i> , 2015, 51, 3262-3265.	4.1	14
82	NMR-aided differentiation of enantiomers: Signal enantioresolution. <i>Analytica Chimica Acta</i> , 2015, 876, 63-70.	5.4	21
83	Extending long-range heteronuclear NMR connectivities by HSQMBC-COSY and HSQMBC-TOCSY experiments. <i>Journal of Magnetic Resonance</i> , 2015, 258, 25-32.	2.1	19
84	High-Boron-Content Porphyrin-Cored Aryl Ether Dendrimers: Controlled Synthesis, Characterization, and Photophysical Properties. <i>Inorganic Chemistry</i> , 2015, 54, 5021-5031.	4.0	26
85	Warming differentially influences the effects of drought on stoichiometry and metabolomics in shoots and roots. <i>New Phytologist</i> , 2015, 207, 591-603.	7.3	109
86	Broadband $^1\text{H}$ homodecoupled NMR experiments: recent developments, methods and applications. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 399-426.	1.9	148
87	Disentangling Complex Mixtures of Compounds with Near-Identical $^1\text{H}$ and $^{13}\text{C}$ NMR Spectra using Pure Shift NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2015, 21, 7682-7685.	3.3	25
88	Asymmetric assembly of aldose carbohydrates from formaldehyde and glycolaldehyde by tandem biocatalytic aldol reactions. <i>Nature Chemistry</i> , 2015, 7, 724-729.	13.6	63
89	Carbon Multiplicity Editing in Long-Range Heteronuclear Correlation NMR Experiments: A Valuable Tool for the Structure Elucidation of Natural Products. <i>Journal of Natural Products</i> , 2015, 78, 2236-2241.	3.0	9
90	Intramolecular Photoreactions of (5S)-5-Oxymethyl-2(5H)-furanones as a Tool for the Stereoselective Generation of Diverse Polycyclic Scaffolds. <i>Journal of Organic Chemistry</i> , 2015, 80, 9437-9445.	3.2	16

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91	Rhodium Nanoflowers Stabilized by a Nitrogen-Rich PEG-Tagged Substrate as Recyclable Catalyst for the Stereoselective Hydrosilylation of Internal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 89-99.	4.3	37
92	Synthesis and characterization of 6 $\beta$ -hydroxyandrosterone and 6 $\beta$ -hydroxyetiocholanolone conjugated with glucuronic acid. <i>Drug Testing and Analysis</i> , 2015, 7, 247-252.	2.6	10
93	Suppression of phase and amplitude J(HH) modulations in HSQC experiments. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 115-119.	1.9	41
94	Hydrosilylation of Internal Alkynes Catalyzed by Tris-Imidazolium Salt-Stabilized Palladium Nanoparticles. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 179-188.	4.3	55
95	Sponge-like molecular cage for purification of fullerenes. <i>Nature Communications</i> , 2014, 5, 5557.	12.8	162
96	Straightforward measurement of individual 1J(CH) and 2J(HH) in diastereotopic CH <sub>2</sub> groups. <i>Journal of Magnetic Resonance</i> , 2014, 242, 33-40.	2.1	18
97	Implementing homo- and heterodecoupling in region-selective HSQMBC experiments. <i>Journal of Magnetic Resonance</i> , 2014, 238, 63-69.	2.1	37
98	Enantiodifferentiation through Frequency-Selective Pure-Shift <sup>1</sup> H Nuclear Magnetic Resonance Spectroscopy. <i>ChemPhysChem</i> , 2014, 15, 854-857.	2.1	36
99	LR-HSQMBC: A Sensitive NMR Technique To Probe Very Long-Range Heteronuclear Coupling Pathways. <i>Journal of Organic Chemistry</i> , 2014, 79, 3887-3894.	3.2	132
100	Stereoselective Rhodium-Catalysed [2+2+2] Cycloaddition of Linear Allene-ene Allene Substrates: Reactivity and Theoretical Mechanistic Studies. <i>Chemistry - A European Journal</i> , 2014, 20, 5034-5045.	3.3	37
101	Metabolic responses of <i>Quercus ilex</i> seedlings to wounding analysed with nuclear magnetic resonance profiling. <i>Plant Biology</i> , 2014, 16, 395-403.	3.8	44
102	Polypyrrole-functionalized ruthenium carbene catalysts as efficient heterogeneous systems for olefin epoxidation. <i>Dalton Transactions</i> , 2014, 43, 9916-9923.	3.3	13
103	Simultaneous <sup>1</sup> H and <sup>13</sup> C NMR enantiodifferentiation from highly-resolved pure shift HSQC spectra. <i>Chemical Communications</i> , 2014, 50, 10214-10217.	4.1	43
104	A new mild synthetic route to N-arylated pyridazinones from aryldiazonium salts. <i>Chemical Communications</i> , 2014, 50, 8073-8076.	4.1	6
105	Drought enhances folivory by shifting foliar metabolomes in <i>Quercus ilex</i> trees. <i>New Phytologist</i> , 2014, 202, 874-885.	7.3	81
106	Rhodium-NHC Hybrid Silica Materials as Recyclable Catalysts for [2+2+2] Cycloaddition Reactions of Alkynes. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6242-6251.	2.4	19
107	Engineering the Donor Selectivity of D-Fructose-6-Phosphate Aldolase for Biocatalytic Asymmetric Cross-Aldol Additions of Glycolaldehyde. <i>Chemistry - A European Journal</i> , 2014, 20, 12572-12583.	3.3	35
108	Aryl-Copper(III)-Acetylides as Key Intermediates in C <sub>1</sub> C <sub>2</sub> Model Couplings under Mild Conditions. <i>Chemistry - A European Journal</i> , 2014, 20, 10005-10010.	3.3	30

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109	Direct observation of two-electron Ag(I)/Ag(III) redox cycles in coupling catalysis. <i>Nature Communications</i> , 2014, 5, 4373.	12.8	65
110	Re-esterified Palm Oils, Compared to Native Palm Oil, do not Alter Fat Absorption, Postprandial Lipemia or Growth Performance in Broiler Chicks. <i>Lipids</i> , 2014, 49, 795-805.	1.7	14
111	Pure In-Phase Heteronuclear Correlation NMR Experiments. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8379-8382.	13.8	55
112	Sequential Biocatalytic Aldol Reactions in Multistep Asymmetric Synthesis: Pipecolic Acid, Piperidine and Pyrrolidine (Homo)Iminocyclitol Derivatives from Achiral Building Blocks. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3007-3024.	4.3	31
113	Aldolase-Catalyzed Synthesis of Conformationally Constrained Iminocyclitols: Preparation of Polyhydroxylated Benzopyrrolizidines and Cyclohexapyrrolizidines. <i>Organic Letters</i> , 2014, 16, 1422-1425.	4.6	17
114	Spectroscopic, electrochemical and computational studies of rhenium(I) and ruthenium(II) complexes incorporating the novel tetradentate ligand 1,4-bis(4-(4-methyl)-2,2'-bipyridyl)-2,3-diaza-1,3-butadiene (BBDB) and its derivatives. <i>Polyhedron</i> , 2014, 70, 20-28.	2.2	4
115	Casuarine Stereoisomers from Achiral Substrates: Chemoenzymatic Synthesis and Inhibitory Properties. <i>Journal of Organic Chemistry</i> , 2014, 79, 5386-5389.	3.2	16
116	Mono- and Dinuclear Complexes of Tricarbonylrhenium(I) with 4-Methyl-2,2'-bipyridine-4-carbonitrile. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3359-3369.	2.0	6
117	Measurement of T1/T2 relaxation times in overlapped regions from homodecoupled 1H singlet signals. <i>Journal of Magnetic Resonance</i> , 2014, 244, 30-35.	2.1	27
118	Opposite metabolic responses of shoots and roots to drought. <i>Scientific Reports</i> , 2014, 4, 6829.	3.3	170
119	On the interference of $\langle i \rangle \langle i \rangle$ (HH) modulation in HSQMC and HMBCCPAP experiments. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 509-516.	1.9	16
120	Assessing the Impact of Electronic and Steric Tuning of the Ligand in the Spin State and Catalytic Oxidation Ability of the Fe <sup>II</sup> (Pytacn) Family of Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 9229-9244.	4.0	102
121	Long-range proton-carbon coupling constants: NMR methods and applications. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2013, 73, 17-55.	7.5	63
122	Efficient and fast sign-sensitive determination of heteronuclear coupling constants. <i>Journal of Magnetic Resonance</i> , 2013, 236, 66-69.	2.1	16
123	<sup>13</sup> C NMR Spectroscopy for the Differentiation of Enantiomers Using Chiral Solvating Agents. <i>Analytical Chemistry</i> , 2013, 85, 10887-10894.	6.5	37
124	Full Sensitivity and Enhanced Resolution in Homodecoupled Band-selective NMR Experiments. <i>Chemistry - A European Journal</i> , 2013, 19, 17283-17286.	3.3	112
125	Simultaneous Multi-slice Excitation in Spatially Encoded NMR Experiments. <i>Chemistry - A European Journal</i> , 2013, 19, 15472-15475.	3.3	48
126	Chemo-enzymatic synthesis and glycosidase inhibitory properties of DAB and LAB derivatives. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2005.	2.8	25



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127	Improving the Photosensitizing Properties of Ruthenium Polypyridyl Complexes Using 4-Methyl-2,2'-bipyridine-4-carbonitrile as an Auxiliary Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 4950-4962.	4.0	11
128	Versatile Nanostructured Materials via Direct Reaction of Functionalized Catechols. <i>Advanced Materials</i> , 2013, 25, 2066-2070.	21.0	93
129	Understanding Electronic Ligand Perturbation over Successive Metal-Based Redox Potentials in Mononuclear Ruthenium-Aqua Complexes. <i>ChemPlusChem</i> , 2013, 78, 235-243.	2.8	17
130	New Aqua N-Heterocyclic Carbene Ru(II) Complexes with Two-Electron Process as Selective Epoxidation Catalysts: An Evaluation of Geometrical and Electronic Effects. <i>Inorganic Chemistry</i> , 2013, 52, 5077-5087.	4.0	22
131	Simultaneous measurement of J(HH) and two different $^n$ J(CH) coupling constants from a single multiply edited 2D cross-peak. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 397-402.	1.9	5
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