julien Furrer

List of Publications by Year in descending order

109 papers	2,906 citations	147726 31 h-index	206029 48 g-index
115 all docs	115 docs citations	115 times ranked	3106 citing authors

#	Article	IF	Citations
1	Simplifying LRâ€HSQC spectra using a tripleâ€quantum filter: The LRâ€HTQC experiment. Magnetic Resonance in Chemistry, 2021, 59, 52-60.	1.1	0
2	Old and new experiments for obtaining quaternary-carbon-only NMR spectra. Applied Spectroscopy Reviews, 2021, 56, 128-142.	3.4	2
3	Probing the Interactions of Porphyrins with Macromolecules Using NMR Spectroscopy Techniques. Molecules, 2021, 26, 1942.	1.7	19
4	Carbon Source-Dependent Changes of the Structure of Streptococcus pneumoniae Capsular Polysaccharide with Serotype 6F. International Journal of Molecular Sciences, 2021, 22, 4580.	1.8	2
5	The DEPTQ+ Experiment: Leveling the DEPT Signal Intensities and Clean Spectral Editing for Determining CHn Multiplicities. Molecules, 2021, 26, 3490.	1.7	1
6	Synthesis and Antiparasitic Activity of New Conjugatesâ€”Organic Drugs Tethered to Trithiolato-Bridged Dinuclear Ruthenium(II)â€“Arene Complexes. Inorganics, 2021, 9, 59.	1.2	7
7	Driving the Emission Towards Blue by Controlling the HOMOâ€LUMO Energy Gap in BF 2 â€Functionalized 2â€(Imidazo[1,5â€•a]pyridinâ€3â€yl)phenols. Chemistry - A European Journal, 2021, 27, 12380-12387.	1.7	6
8	The quest of the best â€“ A SAR study of trithiolato-bridged dinuclear Ruthenium(II)-Arene compounds presenting antiparasitic properties. European Journal of Medicinal Chemistry, 2021, 222, 113610.	2.6	14
9	Monitoring the encapsulation of chlorin e6 derivatives into polymer carriers by NMR spectroscopy. , 2021, , 951-961.		0
10	Cellular and Molecular Targets of Nucleotide-Tagged Trithiolato-Bridged Arene Ruthenium Complexes in the Protozoan Parasites Toxoplasma gondii and Trypanosoma brucei. International Journal of Molecular Sciences, 2021, 22, 10787.	1.8	13
11	Interactions of Cationic Diruthenium Trithiolato Complexes with Phospholipid Membranes Studied by NMR Spectroscopy. Journal of Physical Chemistry B, 2020, 124, 8822-8834.	1.2	1
12	Conjugates Containing Two and Three Trithiolato-Bridged Dinuclear Ruthenium(II)-Arene Units as In Vitro Antiparasitic and Anticancer Agents. Pharmaceuticals, 2020, 13, 471.	1.7	18
13	Boron difluoride functionalized (tetrahydroimidazo[1,5-a]pyridin-3-yl)phenols: Highly fluorescent blue emissive materials. Dyes and Pigments, 2020, 182, 108636.	2.0	12
14	Coumarinâ€Tagged Dinuclear Trithiolatoâ€Bridged Ruthenium(II)â‹…Arene Complexes: Photophysical Properties and Antiparasitic Activity. ChemBioChem, 2020, 21, 2818-2835.	1.3	19
15	Dinuclear thiolato-bridged arene ruthenium complexes: from reaction conditions and mechanism to synthesis of new complexes. RSC Advances, 2020, 10, 40106-40116.	1.7	2
16	Electron transfer controlled by solvent and counter-anion dynamics in electrochemistry of viologen-type ionic liquid. Electrochimica Acta, 2019, 320, 134559.	2.6	8
17	1H HR-MAS NMR-Based Metabolomics of Cancer Cells in Response to Treatment with the Diruthenium Trithiolato Complex [(p-MeC6H4iPr)2Ru2(SC6H4-p-But)3]+ (DiRu-1). Metabolites, 2019, 9, 146.	1.3	8
18	Evaluation of polyvinylpyrrolidone and block copolymer micelle encapsulation of serine chlorin e6 and chlorin e4 on their reactivity towards albumin and transferrin and their cell uptake. Journal of Controlled Release, 2019, 316, 150-167.	4.8	17

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19	Carbon source regulates polysaccharide capsule biosynthesis in Streptococcus pneumoniae. Journal of Biological Chemistry, 2019, 294, 17224-17238.	1.6	22
20	Anti-parasitic dinuclear thiolato-bridged arene ruthenium complexes alter the mitochondrial ultrastructure and membrane potential in Trypanosoma brucei bloodstream forms. Experimental Parasitology, 2019, 205, 107753.	0.5	17
21	Encapsulation of the Dinuclear Trithiolatoâ€Bridged Arene Ruthenium Complex Dirutheniumâ€1 in an Apoferritin Nanocage: Structure and Cytotoxicity. ChemMedChem, 2019, 14, 594-602.	1.6	22
22	Targeting of the mitochondrion by dinuclear thiolato-bridged arene ruthenium complexes in cancer cells and in the apicomplexan parasite Neospora caninum. Metallomics, 2019, 11, 462-474.	1.0	25
23	Enhanced electrocatalytic CO formation from CO2 on nanostructured silver foam electrodes in ionic liquid/water mixtures. Electrochimica Acta, 2019, 306, 245-253.	2.6	35
24	Monitoring the encapsulation of chlorin e6 derivatives into polymer carriers by NMR spectroscopy. Journal of Porphyrins and Phthalocyanines, 2019, 23, 1576-1586.	0.4	5
25	Dâ€HMBC versus LRâ€HSQMBC: Which experiment provides theoretically and experimentally the best results?. Magnetic Resonance in Chemistry, 2019, 57, 129-143.	1.1	10
26	How Does the Encapsulation of Porphyrinic Photosensitizers into Polymer Matrices Affect Their Selfâ€Association and Dynamic Properties?. ChemPhysChem, 2018, 19, 1089-1102.	1.0	14
27	Measurement of longâ€range heteronuclear coupling constants using the peak intensity in classical 1D HMBC spectra. Magnetic Resonance in Chemistry, 2018, 56, 329-337.	1.1	5
28	The complex-in-a-complex cation [Pt(acac)2âŠ,(p-cym)6Ru6(tpt)2(dhnq)3]6+: Its stability towards biological ligands. Inorganica Chimica Acta, 2018, 469, 1-10.	1.2	6
29	Why is HMBC superior to LRâ€HSQC? Influence of homonuclear couplings J_{HHâ€²} on the intensity of longâ€range correlations. Magnetic Resonance in Chemistry, 2018, 56, 1101-1116.	1.1	10
30	1H HR-MAS NMR spectroscopy to study the metabolome of the protozoan parasite Giardia lamblia. Talanta, 2018, 188, 429-441.	2.9	14
31	The DEPT Experiment and Some of Its Useful Variants. Annual Reports on NMR Spectroscopy, 2017, 92, 1-82.	0.7	4
32	Transport Matters: Boosting CO₂ Electroreduction in Mixtures of [BMIm][BF₄]/Water by Enhanced Diffusion. ChemPhysChem, 2017, 18, 3153-3162.	1.0	39
33	Characterization of the Activities of Dinuclear Thiolato-Bridged Arene Ruthenium Complexes against Toxoplasma gondii. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	35
34	Pneumococcal 23B Molecular Subtype Identified Using Whole Genome Sequencing. Genome Biology and Evolution, 2017, 9, 2145-2158.	1.1	12
35	Metabolic Profiling of Cells in Response to Drug Treatment using 1H High-resolution Magic Angle Spinning (HR-MAS) NMR Spectroscopy. Chimia, 2017, 71, 124.	0.3	3
36	Editorial. Chimia, 2017, 71, 89.	0.3	0

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37	Hydrolytic behaviour of mono- and dithiolato-bridged dinuclear arene ruthenium complexes and their interactions with biological ligands. RSC Advances, 2016, 6, 38332-38341.	1.7	8
38	Liquid-Crystalline Dendrimers Designed by Click Chemistry. Macromolecules, 2016, 49, 3222-3231.	2.2	16
39	Polysaccharide Capsule Composition of Pneumococcal Serotype 19A Subtypes Is Unaltered among Subtypes and Independent of the Nutritional Environment. Infection and Immunity, 2016, 84, 3152-3160.	1.0	11
40	N-Acetyltaurine as a novel urinary ethanol marker in a drinking study. Analytical and Bioanalytical Chemistry, 2016, 408, 7529-7536.	1.9	9
41	Insights into the inâ€...vitro Anticancer Effects of Dirutheniumâ€1. ChemMedChem, 2016, 11, 2171-2187.	1.6	36
42	Thiolato-bridged dinuclear arene ruthenium complexes and their potential as anticancer drugs. Coordination Chemistry Reviews, 2016, 309, 36-50.	9.5	114
43	The promoting effect of water on the electroreduction of CO 2 in acetonitrile. Electrochimica Acta, 2016, 189, 38-44.	2.6	57
44	Combined Secondary Ion Mass Spectrometry Depth Profiling and Focused Ion Beam Analysis of Cu Films Electrodeposited under Oscillatory Conditions. ChemElectroChem, 2015, 2, 664-671.	1.7	14
45	A Comprehensive Discussion of <scp>HMBC</scp> Pulse Sequences: 4. Establishing Twoâ€Bond Correlations from <scp>HMBC</scp> and Related Experiments. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2015, 44A, 227-251.	0.2	13
46	1H HR-MAS NMR Based Metabolic Profiling of Cells in Response to Treatment with a Hexacationic Ruthenium Metallaprism as Potential Anticancer Drug. PLoS ONE, 2015, 10, e0128478.	1.1	30
47	Reactivity of hexanuclear ruthenium metallaprisms towards nucleotides and a DNA decamer. Journal of Biological Inorganic Chemistry, 2015, 20, 49-59.	1.1	9
48	Tuning the inÂvitro cell cytotoxicity of dinuclear arene ruthenium trithiolato complexes: Influence of the arene ligand. Journal of Organometallic Chemistry, 2015, 783, 40-45.	0.8	19
49	Did the presence of a guest in the cavity of an arene ruthenium metallaprism modify its reactivity towards biomolecules?. Journal of Organometallic Chemistry, 2015, 796, 39-46.	0.8	6
50	Interactions of Polyvinylpyrrolidone with Chlorin e6-Based Photosensitizers Studied by NMR and Electronic Absorption Spectroscopy. Journal of Physical Chemistry B, 2015, 119, 12117-12128.	1.2	26
51	Temperature-Dependent Transport Properties of a Redox-Active Ionic Liquid with a Viologen Group. Journal of Physical Chemistry C, 2015, 119, 1067-1077.	1.5	20
52	Interactions of arene ruthenium metallaprisms with human proteins. Organic and Biomolecular Chemistry, 2015, 13, 946-953.	1.5	23
53	Cytotoxic peptide conjugates of dinuclear arene ruthenium trithiolato complexes. MedChemComm, 2015, 6, 347-350.	3.5	18
54	The Biological Side of Water-Soluble Arene Ruthenium Assemblies. Advances in Chemistry, 2014, 2014, 1-20.	1.1	16

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55	Human Cellular Retinaldehyde-Binding Protein Has Secondary Thermal 9-cis-Retinal Isomerase Activity. Journal of the American Chemical Society, 2014, 136, 137-146.	6.6	15
56	Synthesis, Characterization and Cytotoxicity of (Î·⁶â€pâ€cymene)ruthenium(II) Complexes of Î±â€Amino Acids. European Journal of Inorganic Chemistry, 2014, 2014, 1174-1184.	1.0	30
57	Copolymers of Imidazole and 1,4-Butandiol Diglycidyl Ether as an Efficient Suppressor Additive for Copper Electroplating. Journal of the Electrochemical Society, 2014, 161, D381-D387.	1.3	30
58	Monothiolato-Bridged Dinuclear Arene Ruthenium Complexes: The Missing Link in the Reaction of Arene Ruthenium Dichloride Dimers with Thiols. European Journal of Inorganic Chemistry, 2014, 2014, 5925-5931.	1.0	7
59	Cationic triruthenium(III) oxo complexes of the type [Ru 3 O(OAc) 6 L 3] + containing imidazole, pyrazole, thiazole and oxazole ligands: Synthesis, molecular structure, and cytotoxicity. Inorganica Chimica Acta, 2014, 423, 16-20.	1.2	19
60	A comprehensive discussion of <scp>HMBC</scp> pulse sequences. III. Solving the problem of missing and weakly observed longâ€range correlations. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2014, 43, 177-206.	0.2	14
61	Procerenone: a Fatty Acid Triterpenoid from the Fruit Pericarp of Omphalocarpum procerum (Sapotaceae). Iranian Journal of Pharmaceutical Research, 2014, 13, 1425-30.	0.3	1
62	Synthesis, molecular structure, computational study and in vitro anticancer activity of dinuclear thiolato-bridged pentamethylcyclopentadienyl Rh(iii) and Ir(iii) complexes. Dalton Transactions, 2013, 42, 15457.	1.6	56
63	Synthesis, characterization and inÂvitro anticancer activity of highly cytotoxic trithiolato diruthenium complexes of the type [(Î·6-p-MeC6H4iPr)2Ru2(Î¼2-SR1)2(Î¼2-SR2)]+ containing different thiolato bridges. Journal of Organometallic Chemistry, 2013, 744, 41-48.	0.8	50
64	Reactions of a cytotoxic hexanuclear arene ruthenium assembly with biological ligands. Journal of Organometallic Chemistry, 2013, 734, 45-52.	0.8	18
65	Highly cytotoxic diruthenium trithiolato complexes of the type [(Î·6-p-MeC6H4Pri)2Ru2(Î¼2-SR)3]+: synthesis, characterization, molecular structure and in vitro anticancer activity. New Journal of Chemistry, 2013, 37, 3503.	1.4	45
66	On the Acceleration of Cu Electrodeposition by TBPS (3,3-thiobis-1-propanesulfonic acid): A Combined Electrochemical, STM, NMR, ESI-MS and DFT Study. Journal of the Electrochemical Society, 2013, 160, D3158-D3164.	1.3	18
67	Synthesis, Characterisation and In Vitro Anticancer Activity of Hexanuclear Thiolatoâ€Bridged Arene Ruthenium Metallaâ€Prisms. Chemistry - A European Journal, 2013, 19, 3198-3203.	1.7	28
68	Polyvinylpyrrolidones (PVPs): Switchable Leveler Additives for Damascene Applications. Journal of the Electrochemical Society, 2013, 160, D3116-D3125.	1.3	25
69	NMR Experiments for the Analysis of Mixtures: Beyond 1D 1H Spectra. Combinatorial Chemistry and High Throughput Screening, 2012, 15, 15-35.	0.6	22
70	Insights into the Mechanism of Action and Cellular Targets of Ruthenium Complexes from NMR Spectroscopy. Chimia, 2012, 66, 775.	0.3	10
71	Physical and Physicochemical Stimuli-Responsive Arene Ruthenium Metallaprism. Organometallics, 2012, 31, 3149-3154.	1.1	24
72	Investigation of the Reactivity between a Ruthenium Hexacationic Prism and Biological Ligands. Inorganic Chemistry, 2012, 51, 1057-1067.	1.9	65

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73	Interaction of a ruthenium hexacationic prism with amino acids and biological ligands: ESI mass spectrometry and NMR characterisation of the reaction products. Journal of Biological Inorganic Chemistry, 2012, 17, 1053-1062.	1.1	24
74	Highly cytotoxic trithiophenolatodiruthenium complexes of the type [(Î·6-p-MeC6H4Pr i) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td () oxidation potential. Journal of Biological Inorganic Chemistry, 2012, 17, 951-960.	1.1	64
75	A comprehensive discussion of HMBC pulse sequences. 2. Some useful variants. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2012, 40A, 146-169.	0.2	29
76	A comprehensive discussion of hmbc pulse sequences, part 1: The classical HMBC. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2012, 40A, 101-127.	0.2	34
77	Expanding the accessible chemical space by solid phase synthesis of bicyclic homodetic peptides. Chemical Communications, 2011, 47, 12634.	2.2	16
78	Template-Directed Synthesis of Hexanuclear Arene Ruthenium Complexes with Trigonal-Prismatic Architecture Based on 2,4,6-Tris(3-pyridyl)triazine Ligands. Organometallics, 2011, 30, 942-951.	1.1	33
79	Recent Developments in HMBC Studies. Annual Reports on NMR Spectroscopy, 2011, 74, 293-354.	0.7	16
80	Efficient Oxidation of Cysteine and Glutathione Catalyzed by a Dinuclear Areneruthenium Trithiolato Anticancer Complex. Inorganic Chemistry, 2011, 50, 10552-10554.	1.9	70
81	Accordionâ€optimized DEPT experiments. Magnetic Resonance in Chemistry, 2011, 49, 16-22.	1.1	6
82	Inâ€and Outâ€ofâ€Cavity Interactions by Modulating the Size of Ruthenium Metallarectangles. Helvetica Chimica Acta, 2010, 93, 1313-1328.	1.0	65
83	Designing the Hostâ€Guest Properties of Tetranuclear Arene Ruthenium Metallaâ€Rectangles to Accommodate a Pyrene Molecule. European Journal of Inorganic Chemistry, 2010, 2010, 725-728.	1.0	55
84	A robust, sensitive, and versatile HMBC experiment for rapid structure elucidation by NMR: IMPACT-HMBC. Chemical Communications, 2010, 46, 3396.	2.2	62
85	Diastereoisomerically Pure Fulleropyrrolidines as Chiral Platforms for the Design of Optically Active Liquid Crystals. Journal of the American Chemical Society, 2010, 132, 3574-3581.	6.6	57
86	Anticancer activity of opened arene ruthenium metalla-assemblies. Dalton Transactions, 2010, 39, 5272.	1.6	76
87	Suppressing Oneâ€Bond Correlations in HMBC Spectra: Improved Performance for the BIRDâ€“HMBC Pulse Sequence. Magnetic Resonance in Chemistry, 2009, 47, 239-248.	1.1	10
88	One-Dimensional ROESY Experiments with Full Sensitivity and Reliable Cross-Peak Integration When Applied to Natural Products. Journal of Natural Products, 2009, 72, 1437-1441.	1.5	12
89	Encapsulation of Triphenylene Derivatives in the Hexanuclear Arene Ruthenium Metalloâ€Prismatic Cage [Ru₆(pâ€PrⁱC₆H₄Me)₆(tpt)₂(dhbq)₃(tpt = 2,4,6â€tri(pyridinâ€4â€yl)â€1,3,5â€triazine, dhbq = 2,5â€dihydroxyâ€1,4â€benzoquinonato). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 1349-1352.	0.6	35
90	The CLIP/CLAP-HSQC: Pure absorptive spectra for the measurement of one-bond couplings. Journal of Magnetic Resonance, 2008, 192, 314-322.	1.2	217

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91	Organometallic boxes built from 5,10,15,20-tetra(4-pyridyl)porphyrin panels and hydroxyquinonato-bridged diruthenium clips. Inorganic Chemistry Communication, 2008, 11, 1300-1303.	1.8	40
92	Encapsulation of Aromatic Molecules in Hexanuclear Arene Ruthenium Cages: A Strategy to Build Up Organometallic Carceplex Prisms with a Dangling Arm Standing Out. Organometallics, 2008, 27, 4346-4356.	1.1	110
93	Antimalarial Dual Drugs Based on Potent Inhibitors of Glutathione Reductase from Plasmodium falciparum. Journal of Medicinal Chemistry, 2008, 51, 1260-1277.	2.9	53
94	Novel Bioconjugates of Aminolevulinic Acid with Nucleosides. Synthesis, 2008, 2008, 3957-3962.	1.2	0
95	J-Spectroscopy in the presence of residual dipolar couplings: determination of one-bond coupling constants and scalable resolution. Journal of Biomolecular NMR, 2007, 37, 231-243.	1.6	45
96	Conformational Analysis of an Î±3Î²1 Integrin-Binding Peptide from Thrombospondin-1:â€‰ Implications for Antiangiogenic Drug Design. Journal of Medicinal Chemistry, 2006, 49, 6324-6333.	2.9	14
97	14N NMR and Two-Dimensional Suspension1H and13C HRMAS NMR Spectroscopy of Ionic Liquids Immobilized on Silica. Chemistry - A European Journal, 2006, 12, 2880-2888.	1.7	54
98	Accordion BIRD-HMBC experiments: improved one-bond correlation suppression in accordion heteronuclear multiple-bond correlation-type experiments. Magnetic Resonance in Chemistry, 2006, 44, 845-850.	1.1	14
99	Orientational Properties of Stretched Polystyrene Gels in Organic Solvents and the Suppression of Their Residual1H NMR Signals. Journal of the American Chemical Society, 2005, 127, 6459-6465.	6.6	70
100	Homonuclear Hartmannâ€“Hahn transfer with reduced relaxation losses by use of the MOCCA-XY16 multiple pulse sequence. Journal of Magnetic Resonance, 2004, 166, 39-46.	1.2	33
101	Backbone 1H, 13C and 15N resonance assignments for the 25.8 kDa DNA binding domain of the human p63 protein. Journal of Biomolecular NMR, 2003, 26, 377-378.	1.6	5
102	NMR Chemical Shift Perturbation Study of the N-Terminal Domain of Hsp90 upon Binding of ADP, AMP-PNP, Geldanamycin, and Radicicol. ChemBioChem, 2003, 4, 870-877.	1.3	71
103	Dynamic and magnetic susceptibility effects on the MAS NMR linewidth of a tetrapeptide bound to different resins. Magnetic Resonance in Chemistry, 2002, 40, 123-132.	1.1	16
104	Proton Dipolar Recoupling in Resin-Bound Peptides under High-Resolution Magic Angle Spinning. Journal of Magnetic Resonance, 2002, 157, 43-51.	1.2	14
105	Evidence of Secondary Structure by High-Resolution Magic Angle Spinning NMR Spectroscopy of a Bioactive Peptide Bound to Different Solid Supports. Journal of the American Chemical Society, 2001, 123, 4130-4138.	6.6	38
106	Destruction of Magnetization during TOCSY Experiments Performed under Magic Angle Spinning: Effect of Radial B1 Inhomogeneities. Journal of Magnetic Resonance, 2001, 149, 114-118.	1.2	30
107	Do Bioactive Peptides Display Native-Like Conformations When Bound to a Solid Support?. , 2001, , 402-403.		0
108	Multistep Synthesis of 2,5-Diketopiperazines on Different Solid Supports Monitored by High Resolution Magic Angle Spinning NMR Spectroscopy. ACS Combinatorial Science, 2000, 2, 681-690.	3.3	32

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109	Origin of the Residual NMR Linewidth of a Peptide Bound to a Resin under Magic Angle Spinning. Journal of Magnetic Resonance, 1999, 136, 127-129.	1.2	33