Nicolas Le Poul

List of Publications by Citations

60 papers	923 citations	17 h-index	27 g-index
63 ext. papers	1,056 ext. citations	5.8 avg, IF	3.97 L-index

#	Paper	IF	Citations
60	Monocopper center embedded in a biomimetic cavity: from supramolecular control of copper coordination to redox regulation. *Journal of the American Chemical Society*, **2007**, 129, 8801-10	16.4	68
59	Supramolecular modeling of mono-copper enzyme active sites with calix[6]arene-based funnel complexes. *Accounts of Chemical Research*, **2015**, 48, 2097-106	24.3	57
58	Electrochemically triggered double translocation of two different metal ions with a ditopic calix[6]arene ligand. *Journal of the American Chemical Society*, **2010**, 132, 4393-8	16.4	51
57	Mimicking the protein access channel to a metal center: effect of a funnel complex on dissociative versus associative copper redox chemistry. *Journal of the American Chemical Society*, **2009**, 131, 17800-7	16.4	44
56	Synthesis, photovoltaic performances and TD-DFT modeling of push-pull diacetylide platinum complexes in TiO2 based dye-sensitized solar cells. *Dalton Transactions*, **2014**, 43, 11233-42	4.3	40
55	Electrochemical behavior of the tris(pyridine)-Cu funnel complexes: an overall induced-fit process involving an entatic state through a supramolecular stress. *Journal of the American Chemical Society* , **2005**, 127, 5280-1	16.4	34
54	Incorporation of a platinum center in the pi-conjugated core of push-pull chromophores for nonlinear optics (NLO). *Dalton Transactions*, **2017**, 46, 3059-3069	4.3	33
53	Push-pull D-Ru-A chromophores: synthesis and electrochemical, photophysical and second-order nonlinear optical properties. *Dalton Transactions*, **2018**, 47, 3965-3975	4.3	32
52	Immobilization of Monolayers Incorporating Cu Funnel Complexes onto Gold Electrodes. Application to the Selective Electrochemical Recognition of Primary Alkylamines in Water. *Journal of the American Chemical Society*, **2016**, 138, 12841-12853	16.4	32
51	Electrochemically and Chemically Induced Redox Processes in Molecular Machines. *ChemElectroChem*, **2015**, 2, 475-496	4.3	29
50	Electrochemical Water Oxidation and Stereoselective Oxygen Atom Transfer Mediated by a Copper Complex. *Chemistry - A European Journal*, **2018**, 24, 5213-5224	4.8	28
49	Rate enhancement of the catechol oxidase activity of a series of biomimetic monocopper(II) complexes by introduction of non-coordinating groups in N-tripodal ligands. *New Journal of Chemistry*, **2012**, 36, 1828	3.6	23
48	Room-Temperature Characterization of a Mixed-Valent Hydroxodicopper(II,III) Complex. *Inorganic Chemistry*, **2016**, 55, 8263-6	5.1	23
47	Reactivity of carbanions of Fischer-type carbene complexes with pyrylium salts. Synthesis and characterization of new methylenepyran carbene complexes via an addition oxidation deprotonation process. *Tetrahedron*, **2002**, 58, 7519-7530	2.4	22
46	Tris(triazolyl) calix[6]arene-based zinc and copper funnel complexes: imidazole-like or pyridine-like? A comparative study. *Inorganic Chemistry*, **2011**, 50, 10985-93	5.1	18
45	Diferrocenylbispyrylium Salts and Electron-Rich Diferrocenylbispyran from Oxidative Coupling of Ferrocenylpyran. Induced Electron Transfer CC Bond Making/Breaking Involving a Metallocenyl Radical Intermediate. *Organometallics*, **2008**, 27, 6396-6399	3.8	18
44	Improving the stability and inertness of Cu(ii) and Cu(i) complexes with methylthiazolyl ligands by tuning the macrocyclic structure. *Dalton Transactions*, **2016**, 45, 7406-20	4.3	17

43	Ferrocenyl and pyridyl methylenepyrans as potential precursors of organometallic electron-rich extended bipyrans: Synthesis, characterization and crystal structure. *Journal of Organometallic Chemistry*, **2010**, 695, 235-243	2.3	17
42	A generic platform for the addressable functionalisation of electrode surfaces through self-induced "electroclick". *Chemistry - A European Journal*, **2012**, 18, 594-602	4.8	16
41	Electrocatalytic reduction of nitrite ions by a copper complex attached as SAMs on gold by self-induced electroclick. Enhancement of the catalytic rate by surface coverage decrease. *Electrochemistry Communications*, **2013**, 34, 204-207	5.1	16
40	Insights into water coordination associated with the Cu(II)/Cu(I) electron transfer at a biomimetic Cu centre. *Dalton Transactions*, **2014**, 43, 6436-45	4.3	15
39	Locally induced and self-induced "electroclick" onto a self-assembled monolayer: writing and reading with SECM under unbiased conditions. *Langmuir*, **2014**, 30, 4501-8	4	15
38	Influence of Asymmetry on the Redox Properties of Phenoxo- and Hydroxo-Bridged Dicopper Complexes: Spectroelectrochemical and Theoretical Studies. *Inorganic Chemistry*, **2017**, 56, 7707-7719	5.1	14
37	Synthesis of bis-2H and 4H-chalcogenapyrans and benzochalcogenapyrans via Pd0 catalyzed dimerization of Fischer type carbene complexes: redox properties and electronic structure of these new extended electron rich molecules. *Tetrahedron*, **2007**, 63, 7142-7153	2.4	14
36	Direct Determination of Electron-Transfer Properties of Dicopper-Bound Reduced Dioxygen Species by a Cryo-Spectroelectrochemical Approach. *Chemistry - A European Journal*, **2017**, 23, 18314-18319	4.8	12
35	Comparative studies of new pyranylidene-based sensitizers bearing single or double anchoring groups for dye-sensitized solar cells. *Solar Energy*, **2020**, 205, 310-319	6.8	12
34	Cyclams with Ambidentate Methylthiazolyl Pendants for Stable, Inert, and Selective Cu(II) Coordination. *Inorganic Chemistry*, **2016**, 55, 619-32	5.1	12
33	Mono- and Diplatinum Polyynediyl Complexes as Potential Push-Pull Chromophores: Synthesis, Characterization, TD-DFT Modeling, and Photophysical and NLO Properties. *Organometallics*, **2018**, 37, 2232-2244	3.8	12
32	Synthesis and properties of novel pyranylidene-based organic sensitizers for dye-sensitized solar cells. *Dyes and Pigments*, **2019**, 171, 107747	4.6	12
31	"Two-Story" Calix[6]arene-Based Zinc and Copper Complexes: Structure, Properties, and O Binding. *Inorganic Chemistry*, **2017**, 56, 10971-10983	5.1	12
30	Synthesis and studies of a water-soluble and air-stable Cu(I)/Cu(II) open-shell funnel complex. *Organic Letters*, **2012**, 14, 2500-3	6.2	12
29	Selective EPR Detection of Primary Amines in Water with a Calix[6]azacryptand-Based Copper(II) Funnel Complex. *Inorganic Chemistry*, **2018**, 57, 3646-3655	5.1	11
28	Diferrocenylpyrylium salts and electron rich bispyran from oxidative coupling of ferrocenylpyran. Example of redox systems switched by proton transfer. *New Journal of Chemistry*, **2013**, 37, 2066	3.6	11
27	Bowl versus Funnel Supramolecular Concept for CuI Complexes within the Biomimetic Tris(imidazole) Core. *European Journal of Inorganic Chemistry*, **2013**, 2013, 5171-5180	2.3	11
26	Reversible Redox Switching of Chromophoric Phenylmethylenepyrans by Carbon-Carbon Bond Making/Breaking. *Journal of Organic Chemistry*, **2017**, 82, 12395-12405	4.2	10

25	Supramolecular control of a mononuclear biomimetic copper(II) center: bowl complexes vs funnel complexes. *Inorganic Chemistry*, **2014**, 53, 6224-34	5.1	10
24	Synthesis of new highly conjugated bis-(4H-pyrans) involving electron rich polyene linkage, by Pd catalytic coupling of methylenepyran Fischer-type carbene complexes. *Tetrahedron Letters*, **2002**, 43, 3967-3970	2	9
23	Effect of Monoelectronic Oxidation of an Unsymmetrical Phenoxido-Hydroxido Bridged Dicopper(II) Complex. *Inorganic Chemistry*, **2018**, 57, 12364-12375	5.1	9
22	Characterization of a Dinuclear Copper(II) Complex and Its Fleeting Mixed-Valent Copper(II)/Copper(III) Counterpart. *ChemPlusChem*, **2017**, 82, 615-624	2.8	8
21	Methylthiazolyl Tacn Ligands for Copper Complexation and Their Bifunctional Chelating Agent Derivatives for Bioconjugation and Copper-64 Radiolabeling: An Example with Bombesin. *Inorganic Chemistry*, **2019**, 58, 2669-2685	5.1	8
20	Electrochemically driven cup-and-ball CuI and CuII complexes. *Chemistry - A European Journal*, **2013**, 19, 10611-8	4.8	8
19	Functionalizing Gold Nanoparticles with Calix[4]arenes Monolayers for Enhancing Selectivity and Stability in ORR Electrocatalysis. *Advanced Materials Interfaces*, **2020**, 7, 2001557	4.6	7
18	Mononuclear copper(II) complexes containing a macrocyclic ditopic ligand: Synthesis, structures and properties. *Inorganica Chimica Acta*, **2019**, 497, 119081	2.7	6
17	Determination of heterogeneous electron-transfer kinetics of decamethylferrocene at low temperatures (120 K Journal of Electroanalytical Chemistry, **2006**, 596, 47-56	4.1	6
16	Mononuclear iron(ii) complexes containing a tripodal and macrocyclic nitrogen ligand: synthesis, reactivity and application in cyclohexane oxidation catalysis. *Dalton Transactions*, **2018**, 47, 15596-15612	4.3	6
15	Tuning Inner-Sphere Electron Transfer in a Series of Copper/Nitrosoarene Adducts. *Inorganic Chemistry*, **2020**, 59, 8678-8689	5.1	5
14	Synthesis of an unsymmetrical N-functionalized triazacyclononane ligand and its Cu(II) complex. *Inorganica Chimica Acta*, **2014**, 417, 201-207	2.7	5
13	High-valence CuCu species in action: demonstration of aliphatic C-H bond activation at room temperature. *Chemical Communications*, **2019**, 55, 12711-12714	5.8	5
12	Gating the electron transfer at a monocopper centre through the supramolecular coordination of water molecules within a protein chamber mimic. *Chemical Science*, **2018**, 9, 8282-8290	9.4	5
11	Insights into the radical-radical and radical-substrate dimerization processes for substituted phenylmethylenepyrans. *Electrochimica Acta*, **2019**, 305, 304-311	6.7	4
10	The synthesis of flexible tetrapyridylethanes from pyridylpyrylium dications. *New Journal of Chemistry*, **2016**, 40, 5666-5669	3.6	4
9	O-O bond cleavage via electrochemical reduction of a side-on peroxo dicopper model of hemocyanin. *Chemical Communications*, **2018**, 54, 4931-4934	5.8	3
8	Effect of ligand exchange on the one-electron oxidation process of alkoxo or phenoxo bridged binuclear copper(II) complexes. *Inorganica Chimica Acta*, **2018**, 481, 113-119	2.7	3

7	N^N^C platinum (II) complexes based on phenyl-pyridin-2-ylpyrimidine ligands: synthesis, electrochemical and photophysical properties. *Dyes and Pigments*, **2021**, 194, 109622	4.6	3
6	Aza and cyanobridged tripodal dinuclear copper(II) complexes: Electrochemical studies and structural evidence for an original azacyanocarbanion. *Inorganica Chimica Acta*, **2014**, 411, 67-76	2.7	2
5	Bioinspired Heterobimetallic Photocatalyst () for Visible-Light-Driven C-H Oxidation of Organic Substrates via Dioxygen Activation. *Inorganic Chemistry*, **2021**, 60, 16059-16064	5.1	1
4	Low-temperature electrochemistry and spectroelectrochemistry for coordination compounds. *Coordination Chemistry Reviews*, **2021**, 436, 213823	23.2	1
3	Investigation of second-order nonlinear optical responses in a series of V-shaped binuclear platinum(ii) complexes. *Dalton Transactions*, **2021**, 50, 4623-4633	4.3	1
2	Electrochemically Driven Reduction of Carbon Dioxide Mediated by Mono-Reduced Mo-Diimine Tetracarbonyl Complexes: Electrochemical, Spectroelectrochemical and Theoretical Studies. *ChemElectroChem*, **2021**, 8, 1899-1910	4.3	0
1	Theoretical aspects of electrochemistry at low temperature. *Journal of Electroanalytical Chemistry*, **2021**, 887, 115160	4.1	