

# Nicolas Le Poul

## List of Publications by Year in Descending Order

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

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	Bioinspired Heterobimetallic Photocatalyst () for Visible-Light-Driven C-H Oxidation of Organic Substrates via Dioxygen Activation. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 16059-16064	5.1	1
59	Theoretical aspects of electrochemistry at low temperature. <i>Journal of Electroanalytical Chemistry</i> , <b>2021</b> , 887, 115160	4.1	
58	Electrochemically Driven Reduction of Carbon Dioxide Mediated by Mono-Reduced Mo-Diimine Tetracarbonyl Complexes: Electrochemical, Spectroelectrochemical and Theoretical Studies. <i>ChemElectroChem</i> , <b>2021</b> , 8, 1899-1910	4.3	0
57	Low-temperature electrochemistry and spectroelectrochemistry for coordination compounds. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 436, 213823	23.2	1
56	Investigation of second-order nonlinear optical responses in a series of V-shaped binuclear platinum(ii) complexes. <i>Dalton Transactions</i> , <b>2021</b> , 50, 4623-4633	4.3	1
55	N <sup>N</sup> ^C platinum (II) complexes based on phenyl-pyridin-2-ylpyrimidine ligands: synthesis, electrochemical and photophysical properties. <i>Dyes and Pigments</i> , <b>2021</b> , 194, 109622	4.6	3
54	Comparative studies of new pyranilidene-based sensitizers bearing single or double anchoring groups for dye-sensitized solar cells. <i>Solar Energy</i> , <b>2020</b> , 205, 310-319	6.8	12
53	Tuning Inner-Sphere Electron Transfer in a Series of Copper/Nitrosoarene Adducts. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 8678-8689	5.1	5
52	Functionalizing Gold Nanoparticles with Calix[4]arenes Monolayers for Enhancing Selectivity and Stability in ORR Electrocatalysis. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2001557	4.6	7
51	Mononuclear copper(II) complexes containing a macrocyclic ditopic ligand: Synthesis, structures and properties. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 497, 119081	2.7	6
50	Methylthiazolyl Tacn Ligands for Copper Complexation and Their Bifunctional Chelating Agent Derivatives for Bioconjugation and Copper-64 Radiolabeling: An Example with Bombesin. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 2669-2685	5.1	8
49	Insights into the radical-radical and radical-substrate dimerization processes for substituted phenylmethylenepyrans. <i>Electrochimica Acta</i> , <b>2019</b> , 305, 304-311	6.7	4
48	Synthesis and properties of novel pyranilidene-based organic sensitizers for dye-sensitized solar cells. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107747	4.6	12
47	High-valence CuCu species in action: demonstration of aliphatic C-H bond activation at room temperature. <i>Chemical Communications</i> , <b>2019</b> , 55, 12711-12714	5.8	5
46	O-O bond cleavage via electrochemical reduction of a side-on peroxo dicopper model of hemocyanin. <i>Chemical Communications</i> , <b>2018</b> , 54, 4931-4934	5.8	3
45	Push-pull D- $\pi$ -Ru- $\pi$ -A chromophores: synthesis and electrochemical, photophysical and second-order nonlinear optical properties. <i>Dalton Transactions</i> , <b>2018</b> , 47, 3965-3975	4.3	32
44	Electrochemical Water Oxidation and Stereoselective Oxygen Atom Transfer Mediated by a Copper Complex. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 5213-5224	4.8	28

43	Selective EPR Detection of Primary Amines in Water with a Calix[6]azacryptand-Based Copper(II) Funnel Complex. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 3646-3655	5.1	11
42	Effect of ligand exchange on the one-electron oxidation process of alkoxo or phenoxo bridged binuclear copper(II) complexes. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 481, 113-119	2.7	3
41	Mono- and Diplatinum Polyynediyl Complexes as Potential PushPull Chromophores: Synthesis, Characterization, TD-DFT Modeling, and Photophysical and NLO Properties. <i>Organometallics</i> , <b>2018</b> , 37, 2232-2244	3.8	12
40	Mononuclear iron(ii) complexes containing a tripodal and macrocyclic nitrogen ligand: synthesis, reactivity and application in cyclohexane oxidation catalysis. <i>Dalton Transactions</i> , <b>2018</b> , 47, 15596-15612	4.3	6
39	Effect of Monoelectronic Oxidation of an Unsymmetrical Phenoxido-Hydroxido Bridged Dicopper(II) Complex. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 12364-12375	5.1	9
38	Gating the electron transfer at a monocopper centre through the supramolecular coordination of water molecules within a protein chamber mimic. <i>Chemical Science</i> , <b>2018</b> , 9, 8282-8290	9.4	5
37	Characterization of a Dinuclear Copper(II) Complex and Its Fleeting Mixed-Valent Copper(II)/Copper(III) Counterpart. <i>ChemPlusChem</i> , <b>2017</b> , 82, 615-624	2.8	8
36	Incorporation of a platinum center in the pi-conjugated core of push-pull chromophores for nonlinear optics (NLO). <i>Dalton Transactions</i> , <b>2017</b> , 46, 3059-3069	4.3	33
35	Reversible Redox Switching of Chromophoric Phenylmethylenepyrans by Carbon-Carbon Bond Making/Breaking. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 12395-12405	4.2	10
34	Direct Determination of Electron-Transfer Properties of Dicopper-Bound Reduced Dioxide Species by a Cryo-Spectroelectrochemical Approach. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 18314-18319	4.8	12
33	"Two-Story" Calix[6]arene-Based Zinc and Copper Complexes: Structure, Properties, and O Binding. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 10971-10983	5.1	12
32	Influence of Asymmetry on the Redox Properties of Phenoxo- and Hydroxo-Bridged Dicopper Complexes: Spectroelectrochemical and Theoretical Studies. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 7707-7719	5.1	14
31	Improving the stability and inertness of Cu(ii) and Cu(i) complexes with methylthiazolyl ligands by tuning the macrocyclic structure. <i>Dalton Transactions</i> , <b>2016</b> , 45, 7406-20	4.3	17
30	Cyclams with Ambidentate Methylthiazolyl Pendants for Stable, Inert, and Selective Cu(II) Coordination. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 619-32	5.1	12
29	The synthesis of flexible tetrapyridylethanes from pyridylpyrylium dications. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 5666-5669	3.6	4
28	Immobilization of Monolayers Incorporating Cu Funnel Complexes onto Gold Electrodes. Application to the Selective Electrochemical Recognition of Primary Alkylamines in Water. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 12841-12853	16.4	32
27	Room-Temperature Characterization of a Mixed-Valent $\mu$ -Hydroxodicopper(II,III) Complex. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 8263-6	5.1	23
26	Supramolecular modeling of mono-copper enzyme active sites with calix[6]arene-based funnel complexes. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 2097-106	24.3	57

25	Electrochemically and Chemically Induced Redox Processes in Molecular Machines. <i>ChemElectroChem</i> , <b>2015</b> , 2, 475-496	4.3	29
24	Insights into water coordination associated with the Cu(II)/Cu(I) electron transfer at a biomimetic Cu centre. <i>Dalton Transactions</i> , <b>2014</b> , 43, 6436-45	4.3	15
23	Synthesis, photovoltaic performances and TD-DFT modeling of push-pull diacetylide platinum complexes in TiO <sub>2</sub> based dye-sensitized solar cells. <i>Dalton Transactions</i> , <b>2014</b> , 43, 11233-42	4.3	40
22	Locally induced and self-induced "electroclick" onto a self-assembled monolayer: writing and reading with SECM under unbiased conditions. <i>Langmuir</i> , <b>2014</b> , 30, 4501-8	4	15
21	Supramolecular control of a mononuclear biomimetic copper(II) center: bowl complexes vs funnel complexes. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 6224-34	5.1	10
20	Aza and cyanobridged tripodal dinuclear copper(II) complexes: Electrochemical studies and structural evidence for an original azacyanocarbanion. <i>Inorganica Chimica Acta</i> , <b>2014</b> , 411, 67-76	2.7	2
19	Synthesis of an unsymmetrical N-functionalized triazacyclononane ligand and its Cu(II) complex. <i>Inorganica Chimica Acta</i> , <b>2014</b> , 417, 201-207	2.7	5
18	Diferrocenylpyrylium salts and electron rich bispyran from oxidative coupling of ferrocenylpyran. Example of redox systems switched by proton transfer. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 2066	3.6	11
17	Electrochemically driven cup-and-ball CuI and CuII complexes. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 10611-8	4.8	8
16	Bowl versus Funnel Supramolecular Concept for CuI Complexes within the Biomimetic Tris(imidazole) Core. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 5171-5180	2.3	11
15	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. <i>Electrochemistry Communications</i> , <b>2013</b> , 34, 204-207	5.1	16
14	A generic platform for the addressable functionalisation of electrode surfaces through self-induced "electroclick". <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 594-602	4.8	16
13	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. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 1828	3.6	23
12	Synthesis and studies of a water-soluble and air-stable Cu(I)/Cu(II) open-shell funnel complex. <i>Organic Letters</i> , <b>2012</b> , 14, 2500-3	6.2	12
11	Tris(triazolyl) calix[6]arene-based zinc and copper funnel complexes: imidazole-like or pyridine-like? A comparative study. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 10985-93	5.1	18
10	Electrochemically triggered double translocation of two different metal ions with a ditopic calix[6]arene ligand. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4393-8	16.4	51
9	Ferrocenyl and pyridyl methylenepyran as potential precursors of organometallic electron-rich extended bipyran: Synthesis, characterization and crystal structure. <i>Journal of Organometallic Chemistry</i> , <b>2010</b> , 695, 235-243	2.3	17
8	Mimicking the protein access channel to a metal center: effect of a funnel complex on dissociative versus associative copper redox chemistry. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 17800-7	16.4	44

7	Diferrocenylbispyrylium Salts and Electron-Rich Diferrocenylbispyran from Oxidative Coupling of Ferrocenylpyran. Induced Electron Transfer C-C Bond Making/Breaking Involving a Metallocenyl Radical Intermediate. <i>Organometallics</i> , <b>2008</b> , 27, 6396-6399	3.8	18
6	Monocopper center embedded in a biomimetic cavity: from supramolecular control of copper coordination to redox regulation. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8801-10	16.4	68
5	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. <i>Tetrahedron</i> , <b>2007</b> , 63, 7142-7153	2.4	14
4	Determination of heterogeneous electron-transfer kinetics of decamethylferrocene at low temperatures (120 K) <i>Journal of Electroanalytical Chemistry</i> , <b>2006</b> , 596, 47-56	4.1	6
3	Electrochemical behavior of the tris(pyridine)-Cu funnel complexes: an overall induced-fit process involving an entatic state through a supramolecular stress. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 5280-1	16.4	34
2	Reactivity of carbanions of Fischer-type carbene complexes with pyrylium salts. Synthesis and characterization of new $\eta$ -methylenepyran carbene complexes via an addition-oxidation-deprotonation process. <i>Tetrahedron</i> , <b>2002</b> , 58, 7519-7530	2.4	22
1	Synthesis of new highly conjugated bis-(4H-pyrans) involving electron rich polyene linkage, by Pd <sup>0</sup> catalytic coupling of $\eta$ -methylenepyran Fischer-type carbene complexes. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 3967-3970	2	9