

Peter C Ford

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385
papers

20,049
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72
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ext. papers

21,190
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
385	Photoluminescence Properties of Multinuclear Copper(I) Compounds. <i>Chemical Reviews</i> , 1999 , 99, 3625-3648	36.4	977
384	Photochemical and photophysical properties of tetranuclear and hexanuclear clusters of metals with d10 and s2 electronic configurations. <i>Accounts of Chemical Research</i> , 1993 , 26, 220-226	24.3	459
383	Reactions of the bioregulatory agent nitric oxide in oxygenated aqueous media: determination of the kinetics for oxidation and nitrosation by intermediates generated in the NO/O2 reaction. <i>Chemical Research in Toxicology</i> , 1993 , 6, 23-7	4	456
382	Mechanistic aspects of the reactions of nitric oxide with transition-metal complexes. <i>Chemical Reviews</i> , 2002 , 102, 993-1018	68.1	442
381	Autoxidation kinetics of aqueous nitric oxide. <i>FEBS Letters</i> , 1993 , 326, 1-3	3.8	334
380	Synthesis and properties of pentaamminepyridineruthenium(II) and related pentaammineruthenium complexes of aromatic nitrogen heterocycles. <i>Journal of the American Chemical Society</i> , 1968 , 90, 1187-1194	16.4	313
379	Photophysical studies in solution of the tetranuclear copper(I) clusters Cu4L4L4 (L = pyridine or substituted pyridine). <i>Journal of the American Chemical Society</i> , 1991 , 113, 2954-2965	16.4	305
378	Photochemistry of nitric oxide adducts of water-soluble iron(III) porphyrin and ferrihemoproteins studied by nanosecond laser photolysis. <i>Journal of the American Chemical Society</i> , 1993 , 115, 9568-9575	16.4	279
377	One-pot catalytic conversion of cellulose and of woody biomass solids to liquid fuels. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14090-7	16.4	273
376	Catalytic disassembly of an organosolv lignin via hydrogen transfer from supercritical methanol. <i>Green Chemistry</i> , 2010 , 12, 1640	10	260
375	Solvent- and Vapor-Induced Isomerization between the Luminescent Solids [CuL(4-pic)]4 and [CuL(4-pic)]4 (pic = methylpyridine). The Structural Basis for the Observed Luminescence Vapochromism. <i>Chemistry of Materials</i> , 2000 , 12, 3385-3391	9.6	252
374	Catalytic conversion of nonfood woody biomass solids to organic liquids. <i>Accounts of Chemical Research</i> , 2014 , 47, 1503-12	24.3	248
373	Photochemistry of metal nitrosyl complexes. Delivery of nitric oxide to biological targets. <i>Coordination Chemistry Reviews</i> , 1998 , 171, 185-202	23.2	228
372	Luminescent mixed ligand copper(I) clusters (CuL)n(L)m (L=pyridine, piperidine): thermodynamic control of molecular and supramolecular species. <i>Coordination Chemistry Reviews</i> , 2001 , 219-221, 3-16	23.2	224
371	Studies on the Reaction Mechanism for Reductive Nitrosylation of Ferrihemoproteins in Buffer Solutions. <i>Journal of the American Chemical Society</i> , 1996 , 118, 5702-5707	16.4	221
370	Metal centered ligand field excited states: Their roles in the design and performance of transition metal based photochemical molecular devices. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 591-616	23.2	214
369	Chemical biology of nitric oxide: regulation and protective and toxic mechanisms. <i>Current Topics in Cellular Regulation</i> , 1996 , 34, 159-87		207

368	Electronic transitions involved in the absorption spectrum and dual luminescence of tetranuclear cubane [Cu ₄ I ₄ (pyridine) ₄] cluster: a density functional theory/time-dependent density functional theory investigation. <i>Inorganic Chemistry</i> , 2006 , 45, 10576-84	5.1	200
367	The water gas shift reaction: homogeneous catalysis by ruthenium and other metal carbonyls. <i>Accounts of Chemical Research</i> , 1981 , 14, 31-37	24.3	200
366	Polychromophoric metal complexes for generating the bioregulatory agent nitric oxide by single- and two-photon excitation. <i>Accounts of Chemical Research</i> , 2008 , 41, 190-200	24.3	194
365	Tissue processing of nitrite in hypoxia: an intricate interplay of nitric oxide-generating and -scavenging systems. <i>Journal of Biological Chemistry</i> , 2008 , 283, 33927-34	5.4	177
364	Photochemically activated carbon monoxide release for biological targets. Toward developing air-stable photoCORMs labilized by visible light. <i>Coordination Chemistry Reviews</i> , 2012 , 256, 1509-1519	23.2	176
363	Homogeneous catalysis by ruthenium carbonyl in alkaline solution: the water gas shift reaction. <i>Journal of the American Chemical Society</i> , 1977 , 99, 252-253	16.4	171
362	A luminescent and biocompatible photoCORM. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18197-18200	17.0	170
361	Nucleophilic Activation of Carbon Monoxide: Applications to Homogeneous Catalysis by Metal Carbonyls of the Water Gas Shift and Related Reactions. <i>Advances in Organometallic Chemistry</i> , 1988 , 28, 139-217	3.8	160
360	NIR-triggered release of caged nitric oxide using upconverting nanostructured materials. <i>Small</i> , 2012 , 8, 3800-5	11	154
359	Nitric oxide complexes of metalloporphyrins: an overview of some mechanistic studies. <i>Coordination Chemistry Reviews</i> , 1999 , 187, 75-102	23.2	154
358	Mechanisms of reductive nitrosylation in iron and copper models relevant to biological systems. <i>Chemical Reviews</i> , 2005 , 105, 2439-55	68.1	149
357	Metal complexes as photochemical nitric oxide precursors: potential applications in the treatment of tumors. <i>Dalton Transactions</i> , 2009 , 10660-9	4.3	148
356	One-pot reduction of 5-hydroxymethylfurfural via hydrogen transfer from supercritical methanol. <i>Green Chemistry</i> , 2012 , 14, 2457	10	142
355	A photochemical precursor for carbon monoxide release in aerated aqueous media. <i>Inorganic Chemistry</i> , 2010 , 49, 1180-5	5.1	142
354	Photochemistry of Roussin's Red Salt, Na ₂ [Fe ₂ S ₂ (NO) ₄], and of Roussin's Black Salt, NH ₄ [Fe ₄ S ₃ (NO) ₇]. In Situ Nitric Oxide Generation To Sensitize Radiation Induced Cell Death. <i>Journal of the American Chemical Society</i> , 1997 , 119, 2853-2860	16.4	140
353	Photochemical nitric oxide precursors: synthesis, photochemistry, and ligand substitution kinetics of ruthenium salen nitrosyl and ruthenium salophen nitrosyl complexes. <i>Inorganic Chemistry</i> , 2002 , 41, 3728-39	5.1	131
352	Mechanistic studies on the reversible binding of nitric oxide to metmyoglobin. <i>Journal of the American Chemical Society</i> , 2001 , 123, 285-93	16.4	131
351	Synthesis, Structure, and Spectroscopic Properties of Ortho-Metalated Platinum(II) Complexes. <i>Inorganic Chemistry</i> , 1995 , 34, 2334-2342	5.1	130

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- 349 Direct and indirect effects of nitric oxide in chemical reactions relevant to biology. *Methods in Enzymology*, **1996**, 268, 12-31 1.7 128
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- 347 Hydrogen transfer from supercritical methanol over a solid base catalyst: a model for lignin depolymerization. *ChemSusChem*, **2009**, 2, 215-7 8.3 127
- 346 Homogeneous catalysis of the water gas shift reaction by ruthenium and other metal carbonyls. Studies in alkaline solutions. *Journal of the American Chemical Society*, **1979**, 101, 5922-5929 16.4 126
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330	Photochemistry of the ruthenium(II) ammine complexes, Ru(NH ₃) ₅ (py-X) ₂ ⁺ . Variation of systemic parameters to modify photochemical reactivities. <i>Journal of the American Chemical Society</i> , 1977 , 99, 7213-7221	16.4	92
329	Photochemical and photophysical studies of tetranuclear copper(I) halide clusters: an overview. <i>Coordination Chemistry Reviews</i> , 1994 , 132, 129-140	23.2	90
328	Quantum dot fluorescence quenching pathways with Cr(III) complexes. photosensitized NO production from trans-Cr(cyclam)(ONO) ₂ ⁺ . <i>Journal of the American Chemical Society</i> , 2008 , 130, 168-75	16.4	87
327	Photochemical investigation of Roussin's red salt esters: Fe ₂ (μ-SR) ₂ (NO) ₄ . <i>Inorganic Chemistry</i> , 2003 , 42, 2288-93	5.1	83
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325	Flash Photolysis Studies of the Ruthenium(II) Porphyrins Ru(P)(NO)(ONO). Multiple Pathways Involving Reactions of Intermediates with Nitric Oxide ¹ . <i>Journal of the American Chemical Society</i> , 1998 , 120, 11674-11683	16.4	81
324	Transesterification Catalysts from Iron Doped Hydrotalcite-like Precursors: Solid Bases for Biodiesel Production. <i>Catalysis Letters</i> , 2008 , 122, 205-209	2.8	80
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321	Photochemical production of nitric oxide via two-photon excitation with NIR light. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13566-7	16.4	77
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317	In situ nitric oxide (NO) measurement by modified electrodes: NO labilized by photolysis of metal nitrosyl complexes. <i>Analytical Biochemistry</i> , 1997 , 247, 193-202	3.1	76
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256	Ruthenium-nitrite complex as pro-drug releases NO in a tissue and enzyme-dependent way. <i>Nitric Oxide - Biology and Chemistry</i> , 2011 , 24, 192-8	5	40
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