Peter C Ford

List of Publications by Year in Descending Order

385 papers	20,049 citations	72 h-index	123 g-index
433 ext. papers	21,190 ext. citations	9 avg, IF	6.9 L-index

#	Paper	IF	Citations
385	Redox-mediated carbon monoxide release from a manganese carbonyl-implications for physiological CO delivery by CO releasing moieties. *Royal Society Open Science*, **2021**, 8, 211022	3.3	1
384	Henry Taube. 30 November 1915–16 November 2005. *Biographical Memoirs of Fellows of the Royal Society*, **2021**, 70, 409-418	0.1	
383	Dinitrosyl Iron Complexes (DNICs). From Spontaneous Assembly to Biological Roles. *Inorganic Chemistry*, **2021**, 60, 15835-15845	5.1	7
382	Optical oxygen sensing by MPA-capped CdTe quantum dots immobilized in mesoporous silica. *Microporous and Mesoporous Materials*, **2020**, 303, 110237	5.3	2
381	Hydrogenolysis of Organosolv Lignin in Ethanol/Isopropanol Media without Added Transition-Metal Catalyst. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 1023-1030	8.3	30
380	One-pot hydrodeoxygenation (HDO) of lignin monomers to C9 hydrocarbons co-catalysed by Ru/C and Nb2O5. *Green Chemistry*, **2020**, 22, 7406-7416	10	8
379	Nitric Oxide Dioxygenation by O Adducts of Manganese Porphyrins. *Inorganic Chemistry*, **2020**, 59, 17224-17233	5.1	3
378	The solution chemistry of nitric oxide and other reactive nitrogen species. *Nitric Oxide - Biology and Chemistry*, **2020**, 103, 31-46	5	20
377	Synthesis, structural characterization, and luminescence properties of mono- and di-nuclear platinum(II) complexes containing 2-(2-pyridyl)-benzimidazole. *Inorganica Chimica Acta*, **2019**, 498, 119133	2.7	3
376	Dynamics of Dinitrosyl Iron Complex (DNIC) Formation with Low Molecular Weight Thiols. *Inorganic Chemistry*, **2019**, 58, 13446-13456	5.1	10
375	Nitric Oxide Uncaging from a Hydrophobic Chromium(III) PhotoNORM: Visible and Near-Infrared Photochemistry in Biocompatible Polymer Disks. *ACS Omega*, **2019**, 4, 9181-9187	3.9	6
374	Near-Infrared and Visible Photoactivation to Uncage Carbon Monoxide from an Aqueous-Soluble PhotoCORM. *Inorganic Chemistry*, **2019**, 58, 11066-11075	5.1	24
373	Thiyl radicals are co-products of dinitrosyl iron complex (DNIC) formation. *Chemical Communications*, **2019**, 55, 9156-9159	5.8	9
372	Chelating and Bridging Roles of 2-(2-Pyridyl)benzimidazole and Bis(diphenylphosphino)acetylene in Stabilizing a Cyclic Tetranuclear Platinum(II) Complex. *Inorganic Chemistry*, **2019**, 58, 14608-14616	5.1	3
371	Six-Coordinate Nitrato Complexes of Iron Porphyrins with Trans S-Donor Ligands. *Inorganic Chemistry*, **2018**, 57, 4795-4798	5.1	1
370	Photoactivated in Vitro Anticancer Activity of Rhenium(I) Tricarbonyl Complexes Bearing Water-Soluble Phosphines. *Inorganic Chemistry*, **2018**, 57, 1311-1331	5.1	94
369	Temperature Tuning the Catalytic Reactivity of Cu-Doped Porous Metal Oxides with Lignin Models. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 2510-2516	8.3	29

368	Antimicrobial activity of cis-[Ru(bpy)2(L)(L?)]n+ complexes, where L = 4-(4-chlorobenzoyl)pyridine or 4-(benzoyl)pyridine and L? = Cl□r CO. *Polyhedron*, **2018**, 144, 88-94	2.7	10
367	Nitric oxide release from a photoactive water-soluble ruthenium nitrosyl. Biological effects. *Journal of Coordination Chemistry*, **2018**, 71, 1690-1703	1.6	12
366	Macrophage-mediated delivery of light activated nitric oxide prodrugs with spatial, temporal and concentration control. *Chemical Science*, **2018**, 9, 3729-3741	9.4	50
365	New emissive mononuclear copper (I) complex: Structural and photophysical characterization focusing on solvatochromism, rigidochromism and oxygen sensing in mesoporous solid matrix. *Dyes and Pigments*, **2018**, 159, 464-470	4.6	11
364	Analysis of gas chromatography/mass spectrometry data for catalytic lignin depolymerization using positive matrix factorization. *Green Chemistry*, **2018**, 20, 4366-4377	10	3
363	A Pinch of Salt Improves n-Butanol Selectivity in the Guerbet Condensation of Ethanol over Cu-Doped Mg/Al Oxides. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 15119-15126	8.3	13
362	Metal complex strategies for photo-uncaging the small molecule bioregulators nitric oxide and carbon monoxide. *Coordination Chemistry Reviews*, **2018**, 376, 548-564	23.2	57
361	Dinuclear PhotoCORMs: Dioxygen-Assisted Carbon Monoxide Uncaging from Long-Wavelength-Absorbing Metal-Metal-Bonded Carbonyl Complexes. *Inorganic Chemistry*, **2017**, 56, 6094-6104	5.1	19
360	Photochemical studies of cis-[Ru(bpy)(4-bzpy)(CO)](PF) and cis-[Ru(bpy)(4-bzpy)(Cl)](PF): Blue light-induced nucleobase binding. *Journal of Inorganic Biochemistry*, **2017**, 173, 144-151	4.2	7
359	Probing the Lignin Disassembly Pathways with Modified Catalysts Based on Cu-Doped Porous Metal Oxides. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 3158-3169	8.3	31
358	Biological Thiols and Carbon Disulfide: The Formation and Decay of Trithiocarbonates under Physiologically Relevant Conditions. *ACS Omega*, **2017**, 2, 6535-6543	3.9	3
357	Uncaging carbon disulfide. Delivery platforms for potential pharmacological applications: a mechanistic approach. *Chemical Science*, **2017**, 8, 7186-7196	9.4	6
356	Carbon disulfide. Just toxic or also bioregulatory and/or therapeutic?. *Chemical Society Reviews*, **2017**, 46, 21-39	58.5	44
355	Optical materials based on copper (I) complexes and CdTe quantum dots loaded in solid matrices **2017**,		1
354	Enhancing Aromatic Production from Reductive Lignin Disassembly: in Situ O-Methylation of Phenolic Intermediates. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 6877-6886	8.3	44
353	Six-Coordinate Ferrous Nitrosyl Complex Fe(TTP)(PMe)(NO) (TTP = meso-Tetra-p-tolylporphyrinato Dianion). *Inorganic Chemistry*, **2016**, 55, 9517-9520	5.1	4
352	Mapping reactivities of aromatic models with a lignin disassembly catalyst. Steps toward controlling product selectivity. *Catalysis Science and Technology*, **2016**, 6, 2984-2994	5.5	31
351	From curiosity to applications. A personal perspective on inorganic photochemistry. *Chemical Science*, **2016**, 7, 2964-2986	9.4	30

350	Catalytic dehydrogenation of 1,2- and 1,3-diols. *Journal of Molecular Catalysis A*, **2016**, 416, 81-87		2
349	Near-IR mediated intracellular uncaging of NO from cell targeted hollow gold nanoparticles. *Chemical Communications*, **2015**, 51, 17692-5	5.8	28
348	Syntheses and properties of phosphine-substituted ruthenium(II) polypyridine complexes with nitrogen oxides. *Dalton Transactions*, **2015**, 44, 17189-200	4.3	14
347	A photoCORM nanocarrier for CO release using NIR light. *Chemical Communications*, **2015**, 51, 2072-5	5.8	106
346	Dinitrosyl iron complexes with cysteine. Kinetics studies of the formation and reactions of DNICs in aqueous solution. *Journal of the American Chemical Society*, **2015**, 137, 328-36	16.4	32
345	Photocatalytic carbon disulfide production via charge transfer quenching of quantum dots. *Journal of the American Chemical Society*, **2014**, 136, 2192-5	16.4	37
344	New Zn(II) complexes with N2S2 Schiff base ligands. Experimental and theoretical studies of the role of Zn(II) in disulfide thiolate-exchange. *Polyhedron*, **2014**, 71, 1-7	2.7	10
343	Catalytic conversion of nonfood woody biomass solids to organic liquids. *Accounts of Chemical Research*, **2014**, 47, 1503-12	24.3	248
342	Reaction of a bridged frustrated Lewis pair with nitric oxide: a kinetics study. *Journal of the American Chemical Society*, **2014**, 136, 513-9	16.4	65
341	Photo-Controlled Release of NO and CO with Inorganic and Organometallic Complexes. *Structure and Bonding*, **2014**, 1-45	0.9	7
340	Photoreactivity of a quantum dot-ruthenium nitrosyl conjugate. *Journal of Physical Chemistry A*, **2014**, 118, 12184-91	2.8	23
339	Photochemical delivery of nitric oxide. *Nitric Oxide - Biology and Chemistry*, **2013**, 34, 56-64	5	127
338	Nitric oxide releasing materials triggered by near-infrared excitation through tissue filters. *Journal of the American Chemical Society*, **2013**, 135, 18145-52	16.4	108
337	Tracking reactive intermediates by FTIR monitoring of reactions in low-temperature sublimed solids: nitric oxide disproportionation mediated by ruthenium(II) carbonyl porphyrin Ru(TPP)(CO). *Inorganic Chemistry*, **2013**, 52, 5201-5	5.1	11
336	Nitrite reduction mediated by heme models. Routes to NO and HNO?. *Journal of the American Chemical Society*, **2013**, 135, 4007-17	16.4	69
335	Mechanisms of Nitric Oxide Reactions Mediated by Biologically Relevant Metal Centers. *Structure and Bonding*, **2013**, 99-135	0.9	12
334	Multi-photon excitation in uncaging the small molecule bioregulator nitric oxide. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20120129	3	22
333	Nitrite reduction by Co(II) and Mn(II) substituted myoglobins: towards understanding necessary components of Mb nitrite reductase activity. *Journal of Inorganic Biochemistry*, **2012**, 107, 47-53	4.2	32

332	A robust one-pot synthesis of benzothiazoles from carboxylic acids including examples with hydroxyl and amino substituents. *Tetrahedron Letters*, **2012**, 53, 6950-6953	2	24
331	Liposome encapsulation of a photochemical NO precursor for controlled nitric oxide release and simultaneous fluorescence imaging. *Molecular Pharmaceutics*, **2012**, 9, 2950-5	5.6	41
330	A luminescent and biocompatible photoCORM. *Journal of the American Chemical Society*, **2012**, 134, 18197-200	10.4	170
329	Convenient, Efficient Synthesis of Amide-Thioethers in Ionic Liquids. *Synthetic Communications*, **2012**, 42, 246-250	1.7	7
328	One-pot reduction of 5-hydroxymethylfurfural via hydrogen transfer from supercritical methanol. *Green Chemistry*, **2012**, 14, 2457	10	142
327	Quantum dot photosensitizers. Interactions with transition metal centers. *Dalton Transactions*, **2012**, 41, 13030-42	4.3	17
326	Photochemically activated carbon monoxide release for biological targets. Toward developing air-stable photoCORMs labilized by visible light. *Coordination Chemistry Reviews*, **2012**, 256, 1509-1519	23.2	176
325	Nitrosyl isomerism in amorphous Mn(TPP)(NO) solids. *Chemical Communications*, **2012**, 48, 12088-90	5.8	15
324	Lanthanide Modification of CdSe/ZnS Core/Shell Quantum Dots. *Journal of Physical Chemistry C*, **2012**, 116, 23713-23720	3.8	20
323	NIR-triggered release of caged nitric oxide using upconverting nanostructured materials. *Small*, **2012**, 8, 3800-5	11	154
322	Quantum dot photoluminescence quenching by Cr(III) complexes. Photosensitized reactions and evidence for a FRET mechanism. *Journal of the American Chemical Society*, **2012**, 134, 13266-75	16.4	47
321	One-pot catalytic conversion of cellulose and of woody biomass solids to liquid fuels. *Journal of the American Chemical Society*, **2011**, 133, 14090-7	16.4	273
320	Flash and continuous photolysis kinetic studies of the iron-iron hydrogenase model (Ɇpdt)[Fe(CO)3]2 in different solvents. *Inorganic Chemistry*, **2011**, 50, 11850-2	5.1	23
319	Ruthenium-nitrite complex as pro-drug releases NO in a tissue and enzyme-dependent way. *Nitric Oxide - Biology and Chemistry*, **2011**, 24, 192-8	5	40
318	Mononuclear copper(I) complexes of O-t-butyl-1,1-dithiooxalate and of O-t-butyl-1-perthio-1-thiooxalate. *Inorganica Chimica Acta*, **2011**, 374, 261-268	2.7	10
317	Metal centered ligand field excited states: Their roles in the design and performance of transition metal based photochemical molecular devices. *Coordination Chemistry Reviews*, **2011**, 255, 591-616	23.2	214
316	Photochemistry of trans-Cr(cyclam)(ONO)2+, a nitric oxide precursor. *Inorganic Chemistry*, **2011**, 50, 4453-62	5.1	28
315	{N,N'-[2,2'-(Ethane-1,2-diyldisulfanediyl)di-o-phenyl-ene]bis-(quinoline-2-carboxamidato)}copper(II). *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, m820-1		

314	Catalytic disassembly of an organosolv lignin via hydrogen transfer from supercritical methanol. *Green Chemistry*, **2010**, 12, 1640	10	260
313	Reactions of NO and nitrite with heme models and proteins. *Inorganic Chemistry*, **2010**, 49, 6226-39	5.1	107
312	A photochemical precursor for carbon monoxide release in aerated aqueous media. *Inorganic Chemistry*, **2010**, 49, 1180-5	5.1	142
311	Nitric oxide photogeneration from trans-Cr(cyclam)(ONO)(2)(+) in a reducing environment. activation of soluble guanylyl cyclase and arterial vasorelaxation. *Journal of Medicinal Chemistry*, **2010**, 53, 715-22	8.3	33
310	Formation of cysteine sulfenic acid by oxygen atom transfer from nitrite. *Journal of the American Chemical Society*, **2010**, 132, 9240-3	16.4	38
309	Hexacoordinate oxy-globin models Fe(Por)(NH3)(O2) react with NO to form only the nitrato analogs Fe(Por)(NH3)(1-ONO2), even at ~100 K. *Chemical Communications*, **2010**, 46, 8570-2	5.8	40
308	Photochemical cleavage of nitrate ion coordinated to a Cr(III) porphyrin. *Journal of Coordination Chemistry*, **2010**, 63, 2743-2749	1.6	5
307	Mechanistic studies of nitrite reactions with metalloproteins and models relevant to mammalian physiology. *Coordination Chemistry Reviews*, **2010**, 254, 235-247	23.2	64
306	Hydrogen transfer from supercritical methanol over a solid base catalyst: a model for lignin depolymerization. *ChemSusChem*, **2009**, 2, 215-7	8.3	127
305	Synthesis of a nitro complex of Ru(III)(salen): Unexpected aromatic ring nitration by a nitrite salt. *Journal of Inorganic Biochemistry*, **2009**, 103, 237-42	4.2	15
304	Markedly Improved CO2 Capture Efficiency and Stability of Gallium Substituted Hydrotalcites at Elevated Temperatures. *Chemistry of Materials*, **2009**, 21, 3473-3475	9.6	74
303	The distal pocket histidine residue in horse heart myoglobin directs the O-binding mode of nitrite to the heme iron. *Journal of the American Chemical Society*, **2009**, 131, 18119-28	16.4	76
302	Flash and continuous photolysis studies of the thionitrosyl complex Cr(CH3CN)5(NS)2+ and the nitric oxide analogs: reactions of nitrogen monosulfide in solution. *Inorganic Chemistry*, **2009**, 48, 231-8	5.1	13
301	Six-coordinate nitro complexes of iron(III) porphyrins with trans S-donor ligands. Oxo-transfer reactivity in the solid state. *Inorganic Chemistry*, **2009**, 48, 11236-41	5.1	26
300	Metal complexes as photochemical nitric oxide precursors: potential applications in the treatment of tumors. *Dalton Transactions*, **2009**, 10660-9	4.3	148
299	Reaction of the Five-Coordinate O-Nitrito Complex Fe(Por)(ONO) (Por = meso-tetra-arylporphyrinato) with THF Gives Two Six-Coordinate Isomers. *Australian Journal of Chemistry*, **2009**, 62, 1226	1.2	9
298	Polychromophoric metal complexes for generating the bioregulatory agent nitric oxide by single- and two-photon excitation. *Accounts of Chemical Research*, **2008**, 41, 190-200	24.3	194
297	NO and NOx Interactions with Hemes **2008**, 66-91		

296	The inducing NO-vasodilation by chemical reduction of coordinated nitrite ion in cis-[Ru(NO(2))L(bpy)(2)](+) complex. *Dalton Transactions*, **2008**, 4282-7	4.3	25
295	Six-coordinate nitrato complexes of iron(III) porphyrins. *Inorganic Chemistry*, **2008**, 47, 787-9	5.1	15
294	Oxygen atom transfer from nitrite mediated by Fe(III) porphyrins in aqueous solution. *Journal of the American Chemical Society*, **2008**, 130, 13830-1	16.4	35
293	Quantum dot fluorescence quenching pathways with Cr(III) complexes. photosensitized NO production from trans-Cr(cyclam)(ONO)2+. *Journal of the American Chemical Society*, **2008**, 130, 168-75	16.4	87
292	Tissue processing of nitrite in hypoxia: an intricate interplay of nitric oxide-generating and -scavenging systems. *Journal of Biological Chemistry*, **2008**, 283, 33927-34	5.4	177
291	FTIR and optical spectroscopic studies of the reactions of heme models with nitric oxide and other NOx in porous layered solids. *Coordination Chemistry Reviews*, **2008**, 252, 1486-1496	23.2	37
290	Transesterification Catalysts from Iron Doped Hydrotalcite-like Precursors: Solid Bases for Biodiesel Production. *Catalysis Letters*, **2008**, 122, 205-209	2.8	80
289	Further kinetics studies of intermediates formed by flash photolysis of Mo(CO)6. *Inorganica Chimica Acta*, **2008**, 361, 3084-3088	2.7	5
288	Design of a highly specific and noninvasive biosensor suitable for real-time in vivo imaging of mercury (II) uptake. *Protein Science*, **2008**, 17, 614-22	6.3	27
287	Generation of reactive oxygen species by photolysis of the ruthenium(II) complex Ru(NH3)5(pyrazine)2+ in oxygenated solution. *Photochemical and Photobiological Sciences*, **2007**, 6, 515-8	4.2	7
286	Photosensitized NO release from water-soluble nanoparticle assemblies. *Journal of the American Chemical Society*, **2007**, 129, 4146-7	16.4	55
285	Reactions of nitrogen oxides with the five-coordinate Fe(III)(porphyrin) nitrito intermediate Fe(Por)(ONO) in sublimed solids. *Journal of the American Chemical Society*, **2007**, 129, 3576-85	16.4	32
284	Interaction of nitrogen bases with iron-porphyrin nitrito complexes Fe(Por)(ONO) in sublimed solids. *Inorganic Chemistry*, **2007**, 46, 7024-31	5.1	29
283	Single- and two-photon properties of a dye-derivatized Roussin's red salt ester (Fe2(mu-RS)2(NO)4) with a large TPA cross section. *Inorganic Chemistry*, **2007**, 46, 395-402	5.1	56
282	Amine nitrosation via NO reduction of the polyamine copper(II) complex Cu(DAC)2+. *Inorganic Chemistry*, **2007**, 46, 9323-31	5.1	41
281	Photoinduced electron transfer between the cationic complexes Ru(NH3)5pz2+ and trans-RuCl([15]aneN4)NO2+ mediated by phosphate ion: visible light generation of nitric oxide for biological targets. *Journal of Physical Chemistry B*, **2007**, 111, 6962-8	3.4	26
280	Metal-dependent reactivity differences for transients formed by flash photolysis of (PNP)M(CO), M = Co and Rh. *Journal of the American Chemical Society*, **2007**, 129, 15430-1	16.4	8
279	Pressure-Tuning Photochemistry of Metal Complexes in Solution. *Advances in Photochemistry*, **2007**, 61-146		6

278	Time-resolved infrared study of reactive species produced by flash photolysis of the hydroformylation catalyst precursor Co2(CO)6(PMePh2)2. *Inorganica Chimica Acta*, **2007**, 360, 825-836	2.7	7
277	Thermal and photochemical reactivity of Os(HNO)(CO)Cl2(PPh3)2: Evidence for photochemical HNO generation. *Polyhedron*, **2007**, 26, 4638-4644	2.7	3
276	Mechanistic Aspects of the Photosubstitution and Photoisomerization Reactions of d6 Metal Complexes. *Progress in Inorganic Chemistry*, **2007**, 213-271		45
275	Reactions of nitrogen oxides with heme models: spectral characterization of an elusive five-coordinate FeIII(porphyrin) nitrito intermediate. *Angewandte Chemie - International Edition*, **2006**, 45, 492-6	16.4	34
274	Reactions of Nitrogen Oxides with Heme Models: Spectral Characterization of an Elusive Five-Coordinate FeIII(porphyrin) Nitrito Intermediate. *Angewandte Chemie*, **2006**, 118, 506-510	3.6	1
273	Henry Taube (1915–2005): Elektronentransfer. *Angewandte Chemie*, **2006**, 118, 706-707	3.6	
272	In situ FT-IR and UV-vis spectroscopy of the low-temperature NO disproportionation mediated by solid state manganese(II) porphyrinates. *Inorganic Chemistry*, **2006**, 45, 4079-87	5.1	31
271	Henry Taube: inorganic chemist extraordinaire. *Inorganic Chemistry*, **2006**, 45, 7059-68	5.1	17
270	Photochemical and time resolved spectroscopic studies of intermediates relevant to iridium-catalyzed methanol carbonylation: photoinduced CO migratory insertion. *Inorganic Chemistry*, **2006**, 45, 1861-70	5.1	18
269	Alkane bromination revisited: "reproportionation" in gas-phase methane bromination leads to higher selectivity for CH3Br at moderate temperatures. *Journal of Physical Chemistry A*, **2006**, 110, 8695-700	2.8	37
268	Electronic transitions involved in the absorption spectrum and dual luminescence of tetranuclear cubane [Cu4I4(pyridine)4] cluster: a density functional theory/time-dependent density functional theory investigation. *Inorganic Chemistry*, **2006**, 45, 10576-84	5.1	200
267	A two-photon antenna for photochemical delivery of nitric oxide from a water-soluble, dye-derivatized iron nitrosyl complex using NIR light. *Journal of the American Chemical Society*, **2006**, 128, 3831-7	16.4	107
266	Substituent effects on nitrosyl iron corrole complexes Fe(Ar3C)(NO). *Inorganic Chemistry*, **2006**, 45, 2075-82	5.1	27
265	Toward development of water soluble dye derivatized nitrosyl compounds for photochemical delivery of NO. *Inorganic Chemistry*, **2006**, 45, 1192-200	5.1	50
264	The remarkable axial lability of iron(III) corrole complexes. *Journal of the American Chemical Society*, **2005**, 127, 6737-43	16.4	37
263	The preparation of anaerobic nitric oxide solutions for the study of heme model systems in aqueous and nonaqueous media: some consequences of NO x impurities. *Methods in Enzymology*, **2005**, 396, 3-17	1.7	34
262	A cyclic tetra-nuclear dinitrosyl iron complex [Fe(NO)2(imidazolate)]4: synthesis, structure and stability. *Chemical Communications*, **2005**, 477-9	5.8	31
261	Photochemical release of nitric oxide from a regenerable, sol-gel encapsulated Ru-salen-nitrosyl complex. *Chemical Communications*, **2005**, 4169-71	5.8	34

260	Chromium(III) complexes for photochemical nitric oxide generation from coordinated nitrite: synthesis and photochemistry of macrocyclic complexes with pendant chromophores, trans-[Cr(L)(ONO)(2)]BF(4). *Inorganic Chemistry*, **2005**, 44, 4157-65	5.1	66
259	Reactions of nitrogen oxides with heme models. Spectral and kinetic study of nitric oxide reactions with solid and solute Fe(III)(TPP)(NO3). *Journal of the American Chemical Society*, **2005**, 127, 6216-24	16.4	19
258	Synthesis and luminescence properties of Cr(III) complexes with cyclam-type ligands having pendant chromophores, trans-[Cr(L)Cl(2)]Cl. *Inorganic Chemistry*, **2005**, 44, 4166-74	5.1	28
257	New structural motifs, unusual quenching of the emission, and second harmonic generation of copper(I) iodide polymeric or oligomeric adducts with para-substituted pyridines or trans-stilbazoles. *Inorganic Chemistry*, **2005**, 44, 4077-85	5.1	111
256	Further evidence supporting an inner sphere mechanism in the NO reduction of the copper(II) complex Cu(dmp)2(2+) (dmp=2,9-dimethyl-1,10-phenanthroline). *Nitric Oxide - Biology and Chemistry*, **2005**, 12, 244-51	5	12
255	Mechanisms of reductive nitrosylation in iron and copper models relevant to biological systems. *Chemical Reviews*, **2005**, 105, 2439-55	68.1	149
254	Probing shapes of bichromophoric metal-organic complexes using ion mobility mass spectrometry. *Journal of the American Chemical Society*, **2005**, 127, 18222-8	16.4	22
253	NO and NOx interactions with group 8 metalloporphyrins. *Journal of Inorganic Biochemistry*, **2005**, 99, 151-65	4.2	80
252	Bromine mediated partial oxidation of ethane over nanostructured zirconia supported metal oxide/bromide. *Microporous and Mesoporous Materials*, **2005**, 79, 205-214	5.3	11
251	Reaction mechanisms relevant to the formation of iron and ruthenium nitric oxide complexes. *Coordination Chemistry Reviews*, **2005**, 249, 391-403	23.2	76
250	Celebration of inorganic lives: interview with Henry Taube. *Coordination Chemistry Reviews*, **2005**, 249, 275-279	23.2	5
249	Photochemical reactions leading to NO and NOx generation. *Coordination Chemistry Reviews*, **2005**, 249, 1382-1395	23.2	70
248	A novel integrated process for the functionalization of methane and ethane: bromine as mediator. *Catalysis Today*, **2004**, 98, 317-322	5.3	32
247	Photochemical reactions of trans-[Ru(NH3)4L(NO)]3+ complexes. *Inorganica Chimica Acta*, **2004**, 357, 1381-1388	2.7	64
246	Activation parameters in flash photolysis studies of Mo(CO)6. *Inorganica Chimica Acta*, **2004**, 357, 143-148	2.7	8
245	C1 oxidative coupling via bromine activation and tandem catalytic condensation and neutralization over CaO/zeolite composites: II. Product distribution variation and full bromine confinement. *Catalysis Today*, **2004**, 98, 589-594	5.3	2
244	A general integrated process for synthesizing olefin oxides. *Chemical Communications*, **2004**, 2100-1	5.8	3
243	C1 Coupling via bromine activation and tandem catalytic condensation and neutralization over CaO/zeolite composites. *Chemical Communications*, **2004**, 566-7	5.8	41

242	Intramolecular reductive nitrosylation: reaction of nitric oxide and a copper(II) complex of a cyclam derivative with pendant luminescent chromophores. *Journal of the American Chemical Society*, **2004**, 126, 6564-5	16.4	105
241	Photochemical production of nitric oxide via two-photon excitation with NIR light. *Journal of the American Chemical Society*, **2004**, 126, 13566-7	16.4	77
240	Synthesis and photochemical properties of a novel iron-sulfur-nitrosyl cluster derivatized with the pendant chromophore protoporphyrin IX. *Inorganic Chemistry*, **2004**, 43, 5543-9	5.1	48
239	Mechanisms of ferriheme reduction by nitric oxide: nitrite and general base catalysis. *Inorganic Chemistry*, **2004**, 43, 5393-402	5.1	78
238	Low temperature NO disproportionation by Mn porphyrin. Spectroscopic characterization of the unstable nitrosyl nitrito complex MnIII(TPP)(NO)(ONO). *Chemical Communications*, **2004**, 1488-9	5.8	36
237	Reduction of aromatic nitro compounds as catalyzed by rhodium trichloride under water gas shift reaction conditions. *Journal of Molecular Catalysis A*, **2003**, 204-205, 125-131		21
236	Synthesis and photophysical properties of new chromium(III) complexes of N-derivatized 1,4,8,11-tetraazacyclotetradecane ligands cis-[Cr(1,8-R(2)cyclam)Cl(2)]Cl, where R is a pendant chromophore. exclusive formation of the cis isomer. *Inorganic Chemistry*, **2003**, 42, 4171-8	5.1	23
235	Nitrite catalyzes ferriheme protein reductive nitrosylation. *Journal of the American Chemical Society*, **2003**, 125, 10510-1	16.4	70
234	Photochemical investigation of Roussin's red salt esters: Fe2(mu-SR)2(NO)4. *Inorganic Chemistry*, **2003**, 42, 2288-93	5.1	83
233	Activation parameters for the reactive intermediates relevant to carbonylation catalysts based on cobalt carbonyls. *Inorganic Chemistry*, **2003**, 42, 575-80	5.1	21
232	Nitrite catalyzes reductive nitrosylation of the water-soluble Ferri-Heme model FeIII(TPPS) to FeII(TPPS)(NO). *Inorganic Chemistry*, **2003**, 42, 2-4	5.1	63
231	Spectroscopic and density functional studies of the dinitrosyl metalloporphyrin complexes Fe(P)(NO)2 and Ru(P)(NO)2. *Inorganic Chemistry*, **2003**, 42, 4902-8	5.1	46
230	Reactions of nitrogen oxides with heme models. Low temperature spectral characterization of the unstable nitrato-nitrosyl complex FeIII(TPP)(ONO2)(NO). *Chemical Communications*, **2003**, 1706	5.8	11
229	REACTION MECHANISMS OF NITRIC OXIDE WITH BIOLOGICALLY RELEVANT METAL CENTERS. *Advances in Inorganic Chemistry*, **2003**, 54, 203-257	2.1	33
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