

# Pradip K Mascharak

## List of Publications by Year in descending order

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208  
papers

9,718  
citations

24978

57  
h-index

49773

87  
g-index

214  
all docs

214  
docs citations

214  
times ranked

6015  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitric oxide delivery platforms derived from a photoactivatable Mn(II) nitrosyl complex: Entry to photopharmacology. <i>Journal of Inorganic Biochemistry</i> , 2022, 231, 111804.	1.5	7
2	Photoactive manganese carbonyl complexes with fac-{Mn(CO) <sub>3</sub> } moiety: Design, application, and potential as prodrugs in CO therapy. <i>Advances in Inorganic Chemistry</i> , 2022, , .	0.4	0
3	Carbon Monoxide Inhibits Cytochrome P450 Enzymes CYP3A4/2C8 in Human Breast Cancer Cells, Increasing Sensitivity to Paclitaxel. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 8437-8446.	2.9	15
4	CO release from Mn-based photoCORMs with single photons in the phototherapeutic region. <i>Chemical Communications</i> , 2021, 57, 1101-1104.	2.2	8
5	Diminished viability of human ovarian cancer cells by antigen-specific delivery of carbon monoxide with a family of photoactivatable antibody-photoCORM conjugates. <i>Chemical Science</i> , 2020, 11, 467-473.	3.7	26
6	Gold Drugs with {Au(PPh <sub>3</sub> ) <sub>3</sub> } <sup>+</sup> Moiety: Advantages and Medicinal Applications. <i>ChemMedChem</i> , 2020, 15, 2136-2145.	1.6	16
7	Enhanced Bactericidal Effects of Pyrazinamide Toward <i>Mycobacterium smegmatis</i> and <i>Mycobacterium tuberculosis</i> upon Conjugation to a {Au(I)-triphenylphosphine} <sup>+</sup> Moiety. <i>ACS Omega</i> , 2020, 5, 6826-6833.	1.6	3
8	Light-assisted and remote delivery of carbon monoxide to malignant cells and tissues: Photochemotherapy in the spotlight. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2020, 42, 100341.	5.6	33
9	Reaction of carbon monoxide with cystathionine $\beta$ -synthase: implications on drug efficacies in cancer chemotherapy. <i>Future Medicinal Chemistry</i> , 2020, 12, 325-337.	1.1	7
10	Therapeutic Potential of Two Visible Light Responsive Luminescent photoCORMs: Enhanced Cellular Internalization Driven by Lipophilicity. <i>Inorganic Chemistry</i> , 2019, 58, 14522-14531.	1.9	22
11	Synthesis, structures and antibacterial properties of Cu(II) and Ag(I) complexes derived from 2,6-bis(benzothiazole)-pyridine. <i>Polyhedron</i> , 2019, 172, 1-7.	1.0	14
12	Carbon monoxide sensitizes cisplatin-resistant ovarian cancer cell lines toward cisplatin via attenuation of levels of glutathione and nuclear metallothionein. <i>Journal of Inorganic Biochemistry</i> , 2019, 191, 29-39.	1.5	45
13	Synthesis, Structure, and Fluorescence Behavior of Profluorescent 8-Amino BODIPY Nitroxides. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1583-1587.	1.2	0
14	Photo-induced eradication of human colorectal adenocarcinoma HT-29 cells by carbon monoxide (CO) delivery from a Mn-based green luminescent photoCORM. <i>Inorganica Chimica Acta</i> , 2019, 485, 112-117.	1.2	18
15	Peroxynitrite-Mediated Dimerization of 3-Nitrotyrosine: Unique Chemistry along the Spectrum of Peroxynitrite-Mediated Nitration of Tyrosine. <i>Med One</i> , 2019, 4, .	1.5	7
16	A Luminescent Manganese PhotoCORM for CO Delivery to Cellular Targets under the Control of Visible Light. <i>Inorganic Chemistry</i> , 2018, 57, 1766-1773.	1.9	58
17	Antimicrobial silver (I) complexes derived from aryl-benzothiazoles as turn-on sensors: Syntheses, properties and density functional studies. <i>Inorganica Chimica Acta</i> , 2018, 471, 326-335.	1.2	14
18	Incorporation of a Theranostic Two-Tone Luminescent Silver Complex into Biocompatible Agar Hydrogel Composite for the Eradication of ESKAPE Pathogens in a Skin and Soft Tissue Infection Model. <i>Inorganic Chemistry</i> , 2018, 57, 6692-6701.	1.9	8

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19	Cationic Au(I) complexes with aryl-benzothiazoles and their antibacterial activity. <i>Journal of Inorganic Biochemistry</i> , 2018, 185, 80-85.	1.5	17
20	A mononuclear nonheme {FeNO} <sup>6</sup> complex: synthesis and structural and spectroscopic characterization. <i>Chemical Science</i> , 2018, 9, 6952-6960.	3.7	11
21	Synthesis, Structures, and CO Release Capacity of a Family of Water-Soluble PhotoCORMs: Assessment of the Biocompatibility and Their Phototoxicity toward Human Breast Cancer Cells. <i>Inorganic Chemistry</i> , 2017, 56, 1534-1545.	1.9	77
22	Luminescent Re(I) Carbonyl Complexes as Trackable PhotoCORMs for CO delivery to Cellular Targets. <i>Inorganic Chemistry</i> , 2017, 56, 2863-2873.	1.9	70
23	Five- and Six-Coordinated Silver(I) Complexes Derived from 2,6-(Pyridyl)iminodiadamantanes: Sustained Release of Bioactive Silver toward Bacterial Eradication. <i>Inorganic Chemistry</i> , 2017, 56, 4784-4787.	1.9	23
24	Synthesis and structures of photoactive manganese carbonyl complexes derived from 2-(pyridin-2-yl)-1,3-benzothiazole and 2-(quinolin-2-yl)-1,3-benzothiazole. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 357-361.	0.2	5
25	Silver complexes of ligands derived from adamantylamines: Water-soluble silver-donating compounds with antibacterial properties. <i>Journal of Inorganic Biochemistry</i> , 2017, 168, 13-17.	1.5	39
26	L-Edge X-ray Absorption Spectroscopic Investigation of {FeNO} <sup>6</sup> : Delocalization vs Antiferromagnetic Coupling. <i>Journal of the American Chemical Society</i> , 2017, 139, 1215-1225.	6.6	17
27	Tracking silver delivery to bacteria using turn-on fluorescence. <i>Chemical Communications</i> , 2017, 53, 1459-1462.	2.2	6
28	Eradication of HT-29 colorectal adenocarcinoma cells by controlled photorelease of CO from a CO-releasing polymer (photoCORP-1) triggered by visible light through an optical fiber-based device. <i>Journal of Controlled Release</i> , 2017, 264, 192-202.	4.8	36
29	Attenuation of Antioxidant Capacity in Human Breast Cancer Cells by Carbon Monoxide through Inhibition of Cystathionine $\beta$ -Synthase Activity: Implications in Chemotherapeutic Drug Sensitivity. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 8000-8010.	2.9	58
30	Photoactive rhenium carbonyl complexes of N,N,S-donor ligands: Contrast in binding modes based on flexibility of ligand frames and nature of ancillary ligands. <i>Inorganica Chimica Acta</i> , 2017, 467, 358-363.	1.2	3
31	Synthesis and structures of photoactive rhenium carbonyl complexes derived from 2-(pyridin-2-yl)-1,3-benzothiazole, 2-(quinolin-2-yl)-1,3-benzothiazole and 1,10-phenanthroline. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 923-929.	0.2	4
32	A Theranostic Two-Tone Luminescent PhotoCORM Derived from Re(I) and (2-Pyridyl)-benzothiazole: Trackable CO Delivery to Malignant Cells. <i>Inorganic Chemistry</i> , 2016, 55, 7852-7858.	1.9	68
33	Mesoporous silica materials and nanoparticles as carriers for controlled and site-specific delivery of gaseous signaling molecules. <i>Microporous and Mesoporous Materials</i> , 2016, 234, 409-419.	2.2	27
34	Light-triggered CO delivery by a water-soluble and biocompatible manganese photoCORM. <i>Dalton Transactions</i> , 2016, 45, 13204-13213.	1.6	39
35	Incorporation of a ruthenium nitrosyl complex into liposomes, the nitric oxide released from these liposomes and HepG2 cell death mechanism. <i>Coordination Chemistry Reviews</i> , 2016, 306, 701-707.	9.5	44
36	Synthesis and crystal structure of tricarbonylchlorido{1-[(pyridin-2-ylmethylidene)amino]adamantane}rhenium(I). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1276-1279.	0.2	1

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37	Synthesis and crystal structure of bis(1-[[quinolin-8-yl]imino]methyl)pyrene- $\text{N,N}^{\text{2}}$ silver(I) trifluoromethanesulfonate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1495-1498.	0.2	0
38	Synthesis and Assessment of CO-Release Capacity of Manganese Carbonyl Complexes Derived from Rigid $\text{N}^{\text{2}}$ -Diimine Ligands of Varied Complexity. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5021-5026.	1.0	33
39	Synthesis and structures of ruthenium di- and tricarbonyl complexes derived from 4,5-diazafluoren-9-one. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2015, 71, 965-968.	0.2	2
40	Rapid Eradication of Human Breast Cancer Cells through Trackable Light-Triggered CO Delivery by Mesoporous Silica Nanoparticles Packed with a Designed photoCORM. <i>Chemistry of Materials</i> , 2015, 27, 8387-8397.	3.2	63
41	Recent Progress in Photoinduced NO Delivery With Designed Ruthenium Nitrosyl Complexes. <i>Advances in Inorganic Chemistry</i> , 2015, , 145-170.	0.4	21
42	Exceptionally rapid CO release from a manganese( $\text{I}$ ) tricarbonyl complex derived from bis(4-chloro-phenylimino)acenaphthene upon exposure to visible light. <i>Dalton Transactions</i> , 2015, 44, 13828-13834.	1.6	58
43	Synthesis and Characterization of a "Turn-On" photoCORM for Trackable CO Delivery to Biological Targets. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 1324-1328.	1.3	73
44	Design Strategies To Improve the Sensitivity of Photoactive Metal Carbonyl Complexes (photoCORMs) to Visible Light and Their Potential as CO-Donors to Biological Targets. <i>Accounts of Chemical Research</i> , 2014, 47, 2603-2611.	7.6	208
45	Light-triggered carbon monoxide delivery with Al-MCM-41-based nanoparticles bearing a designed manganese carbonyl complex. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2107.	2.9	46
46	Photoactive metal carbonyl complexes as potential agents for targeted CO delivery. <i>Journal of Inorganic Biochemistry</i> , 2014, 133, 127-135.	1.5	97
47	Photodelivery of CO by Designed PhotoCORMs: Correlation between Absorption in the Visible Region and Metal-CO Bond Labilization in Carbonyl Complexes. <i>ChemMedChem</i> , 2014, 9, 1266-1274.	1.6	63
48	Tyrosine nitration in peptides by peroxyxynitrite generated in situ in a light-controlled platform: Effects of pH and thiols. <i>Journal of Inorganic Biochemistry</i> , 2014, 138, 24-30.	1.5	3
49	Evidence of Dexter energy transfer in NO photolability of dye-sensitized ruthenium nitrosyls. <i>Inorganica Chimica Acta</i> , 2013, 406, 190-195.	1.2	9
50	Differences in the CO photolability of cis- and trans-[RuCl <sub>2</sub> (azpy)(CO) <sub>2</sub> ] complexes: Effect of metal-to-ligand back-bonding. <i>Inorganica Chimica Acta</i> , 2013, 407, 121-125.	1.2	22
51	A light-activated NO donor attenuates anchorage independent growth of cancer cells: Important role of a cross talk between NO and other reactive oxygen species. <i>Archives of Biochemistry and Biophysics</i> , 2013, 540, 33-40.	1.4	7
52	Rapid CO release from a Mn( $\text{I}$ ) carbonyl complex derived from azopyridine upon exposure to visible light and its phototoxicity toward malignant cells. <i>Chemical Communications</i> , 2013, 49, 11254.	2.2	101
53	Photoactivity of Mono- and Dicarbonyl Complexes of Ruthenium(II) Bearing an N,N,S-Donor Ligand: Role of Ancillary Ligands on the Capacity of CO Photorelease. <i>Inorganic Chemistry</i> , 2013, 52, 11320-11331.	1.9	25
54	Light-triggered nitric oxide delivery to malignant sites and infection. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120368.	1.6	44

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55	Selective damage to hyphal form through light-induced delivery of nitric oxide to <i>Candida albicans</i> colonies. <i>Journal of Inorganic Biochemistry</i> , 2013, 123, 18-22.	1.5	9
56	Construction of a Biomimetic Peroxynitrite-Generating Platform: A Two-Component System to Synthesize Peroxynitrite in Situ under the Control of Light. <i>ChemBioChem</i> , 2013, 14, 2106-2109.	1.3	5
57	The Active Site of Nitrile Hydratase: An Assembly of Unusual Coordination Features by Nature. <i>Structure and Bonding</i> , 2013, , 89-113.	1.0	4
58	Cobalt-containing Enzymes. , 2013, , 684-690.		4
59	Manganese Carbonyls Bearing Tripodal Polypyridine Ligands as Photoactive Carbon Monoxide-Releasing Molecules. <i>Inorganic Chemistry</i> , 2012, 51, 601-608.	1.9	96
60	Nitric Oxide (NO)-Induced Death of Gram-Negative Bacteria from a Light-Controlled NO-Releasing Platform. <i>Chemistry and Biodiversity</i> , 2012, 9, 1829-1839.	1.0	17
61	Syntheses, Structures, and Properties of New Manganese Carbonyls as Photoactive CO-Releasing Molecules: Design Strategies That Lead to CO Photolability in the Visible Region. <i>Inorganic Chemistry</i> , 2012, 51, 11930-11940.	1.9	97
62	Photolability of NO in designed metal nitrosyls with carboxamido-N donors: a theoretical attempt to unravel the mechanism. <i>Dalton Transactions</i> , 2012, 41, 4726.	1.6	36
63	Light-Triggered Eradication of <i>Acinetobacter baumannii</i> by Means of NO Delivery from a Porous Material with an Entrapped Metal Nitrosyl. <i>Journal of the American Chemical Society</i> , 2012, 134, 11573-11582.	6.6	73
64	Photoactive Ruthenium Nitrosyls as NO Donors: How To Sensitize Them toward Visible Light. <i>Accounts of Chemical Research</i> , 2011, 44, 289-298.	7.6	286
65	Dye-Tethered Ruthenium Nitrosyls Containing Planar Dicarboxamide Tetradentate N4 Ligands: Effects of In-Plane Ligand Twist on NO Photolability. <i>Inorganic Chemistry</i> , 2011, 50, 317-324.	1.9	40
66	Designed Iron Carbonyls as Carbon Monoxide (CO) Releasing Molecules: Rapid CO Release and Delivery to Myoglobin in Aqueous Buffer, and Vasorelaxation of Mouse Aorta. <i>Inorganic Chemistry</i> , 2011, 50, 3127-3134.	1.9	62
67	Mechanism of NO Photodissociation in Photolabile Manganese-NO Complexes with Pentadentate N5 Ligands. <i>Inorganic Chemistry</i> , 2011, 50, 12192-12203.	1.9	36
68	Triggered Dye Release via Photodissociation of Nitric Oxide from Designed Ruthenium Nitrosyls: Turn-ON Fluorescence Signaling of Nitric Oxide Delivery. <i>Inorganic Chemistry</i> , 2011, 50, 9045-9052.	1.9	35
69	Synthesis, characterization, and light-controlled antibiotic application of a composite material derived from polyurethane and silica xerogel with embedded photoactive manganese nitrosyl. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 99B, 328-337.	1.6	25
70	Density functional theory studies on a designed photoactive {FeNO}6 nitrosyl and the corresponding photoinactive {FeNO}7 species: Insight into the origin of NO photolability. <i>Inorganica Chimica Acta</i> , 2011, 367, 194-198.	1.2	6
71	[Mn(bpb)(DMAP)(NO)], an {Mn-NO}6 nitrosyl with $Z = 8$ . <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m1451-m1452.	0.2	1
72	Structural and spectroscopic evidence for linkage isomerism of bound nitrite in a {Fe-NO}6 nitrosyl derived from a tetradentate dicarboxamide ligand: More parallels between heme and non-heme systems. <i>Inorganica Chimica Acta</i> , 2010, 363, 2715-2719.	1.2	7

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73	Binding of Nitric Oxide to a Synthetic Model of Iron-Containing Nitrile Hydratase (Fe-NHase) and Its Photorelease: Relevance to Photoregulation of Fe-NHase by NO. <i>Inorganic Chemistry</i> , 2010, 49, 1854-1864.	1.9	30
74	Eradication of Pathogenic Bacteria by Remote Delivery of NO via Light Triggering of Nitrosyl-Containing Materials. <i>ACS Medicinal Chemistry Letters</i> , 2010, 1, 180-183.	1.3	50
75	Ruthenium Nitrosyls Derived from Tetradentate Ligands Containing Carboxamido-N and Phenolato-O Donors: Syntheses, Structures, Photolability, and Time Dependent Density Functional Theory Studies. <i>Inorganic Chemistry</i> , 2010, 49, 1487-1495.	1.9	41
76	Emerging Antimicrobial Applications of Nitric Oxide (NO) and NO-Releasing Materials. <i>Anti-Infective Agents in Medicinal Chemistry</i> , 2010, 9, 187-197.	0.6	39
77	Characterization of pHEMA-based hydrogels that exhibit light-induced bactericidal effect via release of NO. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 2353-2360.	1.7	45
78	Thiolate S-Oxygenation Controls Nitric Oxide (NO) Photolability of a Synthetic Iron Nitrile Hydratase (Fe-NHase) Model Derived from Mixed Carboxamide/Thiolate Ligand. <i>Journal of the American Chemical Society</i> , 2009, 131, 8340-8341.	6.6	37
79	Accelerated Photorelease of NO from {Ru-NO}<sup>6</sup> Nitrosyls Containing Carboxamido-N and Carboxylato-O Donors: Syntheses, Structures, and Photochemistry. <i>Inorganic Chemistry</i> , 2009, 48, 1490-1497.	1.9	32
80	Syntheses, Structures, and Photochemistry of Manganese Nitrosyls Derived from Designed Schiff Base Ligands: Potential NO Donors That Can Be Activated by Near-Infrared Light. <i>Inorganic Chemistry</i> , 2009, 48, 9104-9111.	1.9	50
81	Photosensitization of Ruthenium Nitrosyls to Red Light with an Isoelectronic Series of Heavy-Atom Chromophores: Experimental and Density Functional Theory Studies on the Effects of O-, S- and Se-Substituted Coordinated Dyes. <i>Inorganic Chemistry</i> , 2009, 48, 6904-6917.	1.9	67
82	Nitric oxide-donating materials and their potential in pharmacological applications for site-specific nitric oxide delivery. <i>Future Medicinal Chemistry</i> , 2009, 1, 1497-1507.	1.1	66
83	Fiat Lux: selective delivery of high flux of nitric oxide (NO) to biological targets using photoactive metal nitrosyls. <i>Current Opinion in Chemical Biology</i> , 2008, 12, 238-244.	2.8	126
84	Photoactive ruthenium nitrosyls: Effects of light and potential application as NO donors. <i>Coordination Chemistry Reviews</i> , 2008, 252, 2093-2114.	9.5	290
85	Sensitization of Ruthenium Nitrosyls to Visible Light via Direct Coordination of the Dye Resorufin: Trackable NO Donors for Light-Triggered NO Delivery to Cellular Targets. <i>Journal of the American Chemical Society</i> , 2008, 130, 8834-8846.	6.6	163
86	Facile Ligand Oxidation and Ring Nitration in Ruthenium Complexes Derived from a Ligand with Dicarboxamide-N and Phosphine-P Donors. <i>Inorganic Chemistry</i> , 2008, 47, 11604-11610.	1.9	16
87	Near-Infrared Light Activated Release of Nitric Oxide from Designed Photoactive Manganese Nitrosyls: A Strategy, Design, and Potential as NO Donors. <i>Journal of the American Chemical Society</i> , 2008, 130, 4447-4458.	6.6	148
88	cis -Diammineplatinum(II)-Pyridone Blue. <i>Inorganic Syntheses</i> , 2007, , 94-97.	0.3	0
89	Ruthenium Nitrosyls Derived from Polypyridine Ligands with Carboxamide or Imine Nitrogen Donor(s): Isoelectronic Complexes with Different NO Photolability. <i>Inorganic Chemistry</i> , 2007, 46, 2328-2338.	1.9	63
90	Photosensitization via Dye Coordination: A New Strategy to Synthesize Metal Nitrosyls That Release NO under Visible Light. <i>Journal of the American Chemical Society</i> , 2007, 129, 5342-5343.	6.6	78

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91	Incorporation of a Designed Ruthenium Nitrosyl in PolyHEMA Hydrogel and Light-Activated Delivery of NO to Myoglobin. <i>Inorganic Chemistry</i> , 2007, 46, 6601-6606.	1.9	50
92	Photoactive ruthenium nitrosyls derived from quinoline- and pyridine-based ligands: Accelerated photorelease of NO due to quinoline ligation. <i>Polyhedron</i> , 2007, 26, 4713-4718.	1.0	28
93	Synthesis, Structure, and Properties of an Fe(II) Carbonyl [(PaPy <sub>3</sub> )Fe(CO)](ClO <sub>4</sub> ): Insight into the Reactivity of Fe(II)-CO and Fe(II)-NO Moieties in Non-Heme Iron Chelates of N-Donor Ligands. <i>Inorganic Chemistry</i> , 2006, 45, 3774-3781.	1.9	14
94	Stoichiometric and Catalytic Secondary O-Atom Transfer by Fe(III)-NO <sub>2</sub> Complexes Derived from a Planar Tetradentate Non-heme Ligand: Reminiscence of Heme Chemistry. <i>Inorganic Chemistry</i> , 2006, 45, 10347-10354.	1.9	33
95	Biological Activity of Designed Photolabile Metal Nitrosyls: Light-Dependent Activation of Soluble Guanylate Cyclase and Vasorelaxant Properties in Rat Aorta. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 7325-7330.	2.9	46
96	Release of Nitric Oxide from a Sol-Gel Hybrid Material Containing a Photoactive Manganese Nitrosyl upon Illumination with Visible Light. <i>Journal of the American Chemical Society</i> , 2006, 128, 7166-7167.	6.6	68
97	Synthetic Analogues of the Active Site of the A-Cluster of Acetyl Coenzyme A Synthase/CO Dehydrogenase: Syntheses, Structures, and Reactions with CO. <i>Inorganic Chemistry</i> , 2006, 45, 3424-3436.	1.9	57
98	Unusual iron-mediated C-N bond formation and synthesis of the Fe(III) complex of a polypyridine ligand with one carboxamide group. <i>Inorganic Chemistry Communication</i> , 2006, 9, 1286-1288.	1.8	2
99	Syntheses, structures, and properties of Co(III) complexes derived from polypyridine ligands containing one carboxamido nitrogen donor. <i>Inorganica Chimica Acta</i> , 2006, 359, 4105-4113.	1.2	9
100	A New Approach for Studying Fast Biological Reactions Involving Nitric Oxide: Generation of NO Using Photolabile Ruthenium and Manganese NO Donors. <i>Photochemistry and Photobiology</i> , 2006, 82, 1377.	1.3	47
101	Light-induced inhibition of papain by a {Mn-NO} <sub>6</sub> nitrosyl: Identification of papain-SNO adduct by mass spectrometry. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1458-1464.	1.5	30
102	Structural and spectroscopic models of the A-cluster of acetyl coenzyme a synthase/carbon monoxide dehydrogenase: Nature's Monsanto acetic acid catalyst. <i>Coordination Chemistry Reviews</i> , 2005, 249, 3007-3024.	9.5	87
103	Unusual Role of Solvents in the Syntheses of {Fe-NO} <sub>6,7</sub> Nitrosyls Derived from a Ligand with Carboxamido Nitrogen and Thiolato Sulfur Donors. <i>Inorganic Chemistry</i> , 2005, 44, 6918-6920.	1.9	20
104	Reductive Nitrosylation and Proton-Assisted Bridge Splitting of a (1/4-Oxo)dimanganese(III) Complex Derived from a Polypyridine Ligand with One Carboxamide Group. <i>Inorganic Chemistry</i> , 2005, 44, 8469-8475.	1.9	35
105	Modeling the Active Site of Nitrile Hydratase: Synthetic Strategies to Ensure Simultaneous Coordination of Carboxamido-N and Thiolato-S to Fe(III) Centers. <i>Inorganic Chemistry</i> , 2005, 44, 9527-9533.	1.9	19
106	Fe(III) and Co(III) Centers with Carboxamido Nitrogen and Modified Sulfur Coordination: Lessons Learned from Nitrile Hydratase. <i>Accounts of Chemical Research</i> , 2004, 37, 253-260.	7.6	167
107	Photolabile Ruthenium Nitrosyls with Planar Dicarboxamide Tetradentate N <sub>4</sub> Ligands: Effects of In-Plane and Axial Ligand Strength on NO Release. <i>Inorganic Chemistry</i> , 2004, 43, 4487-4495.	1.9	117
108	Reactions of NO with Mn(II) and Mn(III) Centers Coordinated to Carboxamido Nitrogen: Synthesis of a Manganese Nitrosyl with Photolabile NO. <i>Inorganic Chemistry</i> , 2004, 43, 2988-2997.	1.9	98

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109	Structural Models of the Bimetallic Subunit at the A-Cluster of Acetyl Coenzyme A Synthase/CO Dehydrogenase: A Binuclear Sulfur-Bridged Ni <sup>II</sup> -Cu and Ni <sup>II</sup> -Ni Complexes and Their Reactions with CO. <i>Journal of the American Chemical Society</i> , 2004, 126, 14714-14715.	6.6	54
110	Reactions of Nitric Oxide with a Low-Spin Fe(III) Center Ligated to a Tetradentate Dicarboxamide N4 Ligand: A Parallels between Heme and Non-heme Systems. <i>Journal of the American Chemical Society</i> , 2004, 126, 4780-4781.	6.6	41
111	Syntheses, Structures, and Reactivities of {Fe <sup>II</sup> NO} <sub>6</sub> Nitrosyls Derived from Polypyridine-Carboxamide Ligands: A Photoactive NO-Donors and Reagents for S-Nitrosylation of Alkyl Thiols. <i>Inorganic Chemistry</i> , 2004, 43, 5736-5743.	1.9	45
112	Thermally Induced Stoichiometric and Catalytic O-Atom Transfer by a Non-Heme Iron(III) Nitro Complex: First Example of Reversible {Fe <sup>II</sup> NO} → {Fe <sup>III</sup> NO <sub>2</sub> } Transformation in the Presence of Dioxygen. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4517-4521.	7.2	40
113	Iron Nitrosyls of a Pentadentate Ligand Containing a Single Carboxamide Group: A Syntheses, Structures, Electronic Properties, and Photolability of NO. <i>Inorganic Chemistry</i> , 2003, 42, 6812-6823.	1.9	94
114	Modulation of the pK <sub>a</sub> of Metal-Bound Water via Oxidation of Thiolato Sulfur in Model Complexes of Co(III) Containing Nitrile Hydratase: A Insight into Possible Effect of Cysteine Oxidation in Co <sup>II</sup> Nitrile Hydratase. <i>Inorganic Chemistry</i> , 2003, 42, 5751-5761.	1.9	68
115	A Ruthenium Nitrosyl That Rapidly Delivers NO to Proteins in Aqueous Solution upon Short Exposure to UV Light. <i>Inorganic Chemistry</i> , 2003, 42, 7363-7365.	1.9	107
116	Reaction of (1/4-Oxo)diiron(III) Core with CO <sub>2</sub> in N-Methylimidazole: A Formation of Mono(1/4-carboxylato)(1/4-oxo)diiron(III) Complexes with N-Methylimidazole as Ligands. <i>Inorganic Chemistry</i> , 2003, 42, 1681-1687.	1.9	14
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