

# Theresa M McCormick

## List of Publications by Year in descending order

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54  
papers

4,747  
citations

159585

30  
h-index

161849

54  
g-index

54  
all docs

54  
docs citations

54  
times ranked

6087  
citing authors

#	ARTICLE	IF	CITATIONS
1	Making Hydrogen from Water Using a Homogeneous System Without Noble Metals. <i>Journal of the American Chemical Society</i> , 2009, 131, 9192-9194.	13.7	583
2	Photoswitching Azo Compounds in Vivo with Red Light. <i>Journal of the American Chemical Society</i> , 2013, 135, 9777-9784.	13.7	413
3	Reductive Side of Water Splitting in Artificial Photosynthesis: New Homogeneous Photosystems of Great Activity and Mechanistic Insight. <i>Journal of the American Chemical Society</i> , 2010, 132, 15480-15483.	13.7	302
4	Atomistic Band Gap Engineering in Donor-Acceptor Polymers. <i>Journal of the American Chemical Society</i> , 2012, 134, 539-547.	13.7	293
5	Phosphorescent Cu(I) Complexes of 2-(2-pyridylbenzimidazolyl)benzene: Impact of Phosphine Ancillary Ligands on Electronic and Photophysical Properties of the Cu(I) Complexes. <i>Inorganic Chemistry</i> , 2006, 45, 147-155.	4.0	212
6	Reversible Intramolecular C-C Bond Formation/Breaking and Color Switching Mediated by a N,C-Chelate in (2-ph-py)BMes <sub>2</sub> and (5-BMes <sub>2</sub> -2-ph-py)BMes <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2008, 130, 12898-12900.	13.7	198
7	Three-Coordinate Organoboron Compounds BAr <sub>2</sub> R (Ar= Mesityl, R= 7-Azaindolyl- or Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Supramolecular Assembly. <i>Chemistry - A European Journal</i> , 2004, 10, 994-1006.	3.3	191
8	Conjugated Polymers: Evaluating DFT Methods for More Accurate Orbital Energy Modeling. <i>Macromolecules</i> , 2013, 46, 3879-3886.	4.8	178
9	Impact of Ligand Exchange in Hydrogen Production from Cobaloxime-Containing Photocatalytic Systems. <i>Inorganic Chemistry</i> , 2011, 50, 10660-10666.	4.0	153
10	A stable molecular nickel catalyst for the homogeneous photogeneration of hydrogen in aqueous solution. <i>Chemical Communications</i> , 2011, 47, 7989.	4.1	151
11	New Phosphorescent Polynuclear Cu(I) Compounds Based on Linear and Star-Shaped 2-(2-pyridyl)benzimidazolyl Derivatives: Syntheses, Structures, Luminescence, and Electroluminescence. <i>Inorganic Chemistry</i> , 2005, 44, 5706-5712.	4.0	140
12	Intersystem Crossing in Halogenated Bodipy Chromophores Used for Solar Hydrogen Production. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 223-227.	4.6	140
13	Robust visible light photoswitching with ortho-thiol substituted azobenzenes. <i>Chemical Communications</i> , 2013, 49, 10314.	4.1	137
14	Sensitizing the Sensitizer: The Synthesis and Photophysical Study of Bodipy-Pt(II)(diimine)(dithiolate) Conjugates. <i>Journal of the American Chemical Society</i> , 2011, 133, 350-364.	13.7	127
15	Poly(3-alkyltellurophene)s Are Solution-Processable Polyheterocycles. <i>Journal of the American Chemical Society</i> , 2013, 135, 951-954.	13.7	120
16	Ambient-Temperature Metal-to-Ligand Charge-Transfer Phosphorescence Facilitated by Triarylboron-Bn <sub>3</sub> p <sub>a</sub> and Its Metal Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 10965-10967.	4.0	112
17	Synthesis and Characterization of Neutral Luminescent Diphosphine Pyrrole- and Indole-Aldimine Copper(I) Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 7172-7188.	4.0	98
18	Diarylamino functionalized pyrene derivatives for use in blue OLEDs and complex formation. <i>Journal of Materials Chemistry</i> , 2004, 14, 3344.	6.7	95

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19	Designing and Refining Ni(II)diimine Catalysts Toward the Controlled Synthesis of Electron-Deficient Conjugated Polymers. <i>Journal of the American Chemical Society</i> , 2013, 135, 13212-13219.	13.7	94
20	Tellurophenes with Delocalized $\pi$ -Systems and Their Extended Valence Adducts. <i>Journal of the American Chemical Society</i> , 2012, 134, 3542-3548.	13.7	79
21	Singlet oxygen quantum yields determined by oxygen consumption. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 378, 131-135.	3.9	74
22	Phase-Shift Fiber-Loop Ring-Down Spectroscopy. <i>Analytical Chemistry</i> , 2004, 76, 6594-6599.	6.5	72
23	An Apparent Size-Exclusion Quantification Limit Reveals a Molecular Weight Limit in the Synthesis of Externally Initiated Polythiophenes. <i>ACS Macro Letters</i> , 2012, 1, 1266-1269.	4.8	70
24	Impact of the Linker on the Electronic and Luminescent Properties of Diboryl Compounds: Molecules with Two BMes <sub>2</sub> Groups and the Peculiar Behavior of 1,6-(BMes <sub>2</sub> ) <sub>2</sub> pyrene. <i>Organometallics</i> , 2008, 27, 6446-6456.	2.3	65
25	Donor-Acceptor Polymers for Electrochemical Supercapacitors: Synthesis, Testing, and Theory. <i>Journal of Physical Chemistry C</i> , 2014, 118, 8295-8307.	3.1	65
26	Phthalimide-based $\pi$ -conjugated small molecules with tailored electronic energy levels for use as acceptors in organic solar cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8904-8915.	5.5	64
27	Thermal and Photoreductive Elimination from the Tellurium Center of $\pi$ -Conjugated Tellurophenes. <i>Inorganic Chemistry</i> , 2013, 52, 13779-13790.	4.0	62
28	Efficient Bimolecular Mechanism of Photochemical Hydrogen Production Using Halogenated Boron-Dipyromethene (Bodipy) Dyes and a Bis(dimethylglyoxime) Cobalt(III) Complex. <i>Journal of Physical Chemistry B</i> , 2016, 120, 527-534.	2.6	49
29	Evidence for the Rapid Conversion of Primary Photoexcitations to Triplet States in Seleno- and Telluro- Analogues of Poly(3-hexylthiophene). <i>Journal of Physical Chemistry B</i> , 2014, 118, 2589-2597.	2.6	46
30	Interaction of 2-(2-pyridyl)benzimidazolyl derivative ligands with group 12 metal ions: coordination, structures and luminescence. <i>Dalton Transactions</i> , 2006, , 5675-5682.	3.3	44
31	Effect of Group-14 and Group-16 Substitution on the Photophysics of Structurally Related Donor-Acceptor Polymers. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16606-16615.	3.1	30
32	Photocatalytic Aerobic Thiol Oxidation with a Self-Sensitized Tellurorhodamine Chromophore. <i>Organometallics</i> , 2017, 36, 2588-2596.	2.3	30
33	Reversible oxidation of a water-soluble tellurophene. <i>Chemical Communications</i> , 2013, 49, 11182.	4.1	24
34	DFT analysis into the intermediates of nickel pyridinethiolate catalysed proton reduction. <i>Dalton Transactions</i> , 2015, 44, 14333-14340.	3.3	23
35	Importance of Singlet Oxygen in Photocatalytic Reactions of 2-Aryl-1,2,3,4-tetrahydroisoquinolines Using Chalcogenosamine Photocatalysts. <i>Organometallics</i> , 2019, 38, 2431-2442.	2.3	23
36	Unusual loss of electron mobility upon furan for thiophene substitution in a molecular semiconductor. <i>Organic Electronics</i> , 2015, 18, 118-125.	2.6	21

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37	Luminescent Atropisomeric N,N-Chelating Ligands from Copper-Catalyzed One-Pot C <sup>α</sup> -N and C <sup>α</sup> -C Coupling Reactions. <i>Organic Letters</i> , 2007, 9, 4087-4090.	4.6	20
38	Racemic Atropisomeric N,N-Chelate Ligands for Recognizing Chiral Carboxylates via Zn(II) Coordination: Structure, Fluorescence, and Circular Dichroism. <i>Inorganic Chemistry</i> , 2008, 47, 10017-10024.	4.0	20
39	Longer-Wavelength-Absorbing, Extended Chalcogenorhodamine Dyes. <i>Organometallics</i> , 2016, 35, 1944-1955.	2.3	18
40	Tellurorhodamine photocatalyzed aerobic oxidation of organo-silanes and phosphines by visible-light. <i>Dalton Transactions</i> , 2019, 48, 5665-5673.	3.3	16
41	Thiophene-based fluorescent mercury-sensors. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2081-2089.	2.2	14
42	Orbital analysis of bonding in diarylhalonium salts and relevance to periodic trends in structure and reactivity. <i>Chemical Science</i> , 2022, 13, 6532-6540.	7.4	14
43	Selective Electrochemical versus Chemical Oxidation of Bulky Phenol. <i>Journal of Physical Chemistry B</i> , 2016, 120, 8914-8924.	2.6	13
44	Pt <sup>II</sup> and Pd <sup>II</sup> Complexes with a <i>trans</i> -Chelating Bis(pyridyl) Ligand. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4463-4469.	2.0	10
45	Ru <sup>II</sup> -Pt and Ru <sup>II</sup> -Pd heterobimetallic complexes based on a new ligand with two distinct chelate sites. <i>Dalton Transactions</i> , 2012, 41, 5553.	3.3	8
46	Analysis of the Relaxometric Properties of Extremely Rapidly Exchanging Gd <sup>3+</sup> Chelates: Lessons from a Comparison of Four Isomeric Chelates. <i>Inorganic Chemistry</i> , 2020, 59, 9037-9046.	4.0	7
47	A doubly deprotonated diimine dioximate metalloligand as a synthon for multimetallic complex assembly. <i>Dalton Transactions</i> , 2016, 45, 10068-10075.	3.3	6
48	Novel application of simple molybdates: Catalytic hydrolysis of an organophosphate neurotoxin under mild aqueous conditions. <i>Inorganica Chimica Acta</i> , 2017, 466, 1-7.	2.4	4
49	Increased binding of thiophene-based ligands to mercury(II) with water solubilizing functional groups. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 1024-1036.	3.4	4
50	The multifunctional dopamine D2/D3 receptor agonists also possess inhibitory activity against the full-length tau441 protein aggregation. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115667.	3.0	4
51	Computational investigation into intramolecular hydrogen bonding controlling the isomer formation and p <i>K</i> <sub>a</sub> of octahedral nickel(II) proton reduction catalysts. <i>Dalton Transactions</i> , 2022, 51, 3676-3685.	3.3	4
52	Parameterization of Arynophiles: Experimental Investigations towards a Quantitative Understanding of Aryne Trapping Reactions. <i>Synthesis</i> , 2022, 54, 4989-4996.	2.3	3
53	Enrolling reactive oxygen species in photon-to-chemical energy conversion: fundamentals, technological advances, and applications. <i>Advances in Physics: X</i> , 2021, 6, .	4.1	2
54	Empirical DFT Model to Predict Triplet Quantum Yield Through Singlet Oxygen Yields. <i>ChemPhotoChem</i> , 2022, 6, .	3.0	2