

# John D Gilbertson

## List of Publications by Year in descending order

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27  
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1,171  
citations

361413  
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526287  
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all docs

27  
docs citations

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times ranked

1802  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zero-Reabsorption Doped-Nanocrystal Luminescent Solar Concentrators. ACS Nano, 2014, 8, 3461-3467.	14.6	281
2	Reduction of N <sub>2</sub> to Ammonia and Hydrazine Utilizing H <sub>2</sub> as the Reductant. Journal of the American Chemical Society, 2005, 127, 10184-10185.	13.7	104
3	Kinetic Evaluation of Highly Active Supported Gold Catalysts Prepared from Monolayer-Protected Clusters: An Experimental Michaelis-Menten Approach for Determining the Oxygen Binding Constant during CO Oxidation Catalysis. Journal of the American Chemical Society, 2008, 130, 10103-10115.	13.7	81
4	Ultrafast Optical Study of Small Gold Monolayer Protected Clusters: A Closer Look at Emission. Journal of Physical Chemistry C, 2010, 114, 15979-15985.	3.1	73
5	Enhanced Oxygen Activation over Supported Bimetallic Au-Ni Catalysts. Journal of Physical Chemistry C, 2010, 114, 11498-11508.	3.1	61
6	Coordination Chemistry of H <sub>2</sub> and N <sub>2</sub> in Aqueous Solution. Reactivity and Mechanistic Studies Using trans-Fel(P <sub>2</sub> ) <sub>2</sub> X <sub>2</sub> -Type Complexes (P <sub>2</sub> = a Chelating, Water-Solubilizing Phosphine). Inorganic Chemistry, 2007, 46, 1205-1214.	4.0	55
7	Sterically Engineered Perylene Dyes for High Efficiency Oriented Fluorophore Luminescent Solar Concentrators. Chemistry of Materials, 2014, 26, 1291-1293.	6.7	55
8	Precursors to Water-Soluble Dinitrogen Carriers. Synthesis of Water-Soluble Complexes of Iron(II) Containing Water-Soluble Chelating Phosphine Ligands of the Type 1,2-Bis(bis(hydroxyalkyl)phosphino)ethane. Inorganic Chemistry, 2002, 41, 5453-5465.	4.0	39
9	Ligand-Based Reduction of CO <sub>2</sub> and Release of CO on Iron(II). Inorganic Chemistry, 2012, 51, 9168-9170.	4.0	39
10	Dendrimer templates for supported Au catalysts. Catalysis Today, 2007, 122, 370-377.	4.4	35
11	H <sub>2</sub> Activation in Aqueous Solution: Formation of trans-[Fe(DMeOPrPE) <sub>2</sub> H(H <sub>2</sub> )] <sup>+</sup> via the Heterolysis of H <sub>2</sub> in Water. Inorganic Chemistry, 2004, 43, 3341-3343.	4.0	34
12	Uncoupled Redox-Inactive Lewis Acids in the Secondary Coordination Sphere Entice Ligand-Based Nitrite Reduction. Inorganic Chemistry, 2018, 57, 9601-9610.	4.0	33
13	Synthesis and Stabilization of a Monomeric Iron(II) Hydroxo Complex via <i>intra</i> molecular Hydrogen Bonding in the Secondary Coordination Sphere. Inorganic Chemistry, 2010, 49, 8656-8658.	4.0	30
14	Pyridinediimine Iron Complexes with Pendant Redox-Inactive Metals Located in the Secondary Coordination Sphere. Inorganic Chemistry, 2016, 55, 555-557.	4.0	30
15	Ligand-based reduction of nitrate to nitric oxide utilizing a proton-responsive secondary coordination sphere. Chemical Communications, 2017, 53, 11249-11252.	4.1	30
16	Nitrite reduction by a pyridinediimine complex with a proton-responsive secondary coordination sphere. Chemical Communications, 2016, 52, 11016-11019.	4.1	27
17	CO Oxidation and Toluene Hydrogenation by Pt/TiO <sub>2</sub> Catalysts Prepared from Dendrimer Encapsulated Nanoparticle Precursors. Topics in Catalysis, 2008, 49, 233-240.	2.8	26
18	Hemilabile Proton Relays and Redox Activity Lead to {FeNO} <sup>x</sup> and Significant Rate Enhancements in NO <sub>2</sub> Reduction. Journal of the American Chemical Society, 2018, 140, 17040-17050.	13.7	24

#	ARTICLE	IF	CITATIONS
19	Stabilization of a Zn( <sup>II</sup> ) hydrosulfido complex utilizing a hydrogen-bond accepting ligand. <i>Chemical Communications</i> , 2016, 52, 7680-7682.	4.1	23
20	Square planar Cu( <sup>I</sup> ) stabilized by a pyridinediimine ligand. <i>Chemical Communications</i> , 2016, 52, 4156-4159.	4.1	22
21	Air and Water Free Solid-Phase Synthesis of Thiol Stabilized Au Nanoparticles with Anchored, Recyclable Dendrimer Templates. <i>Langmuir</i> , 2007, 23, 11239-11245.	3.5	21
22	Probing the Protonation State and the Redox-Active Sites of Pendant Base Iron(II) and Zinc(II) Pyridinediimine Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 7239-7248.	4.0	17
23	Pyridinediimine Iron Dicarbonyl Complexes with Pendant Lewis Bases and Lewis Acids Located in the Secondary Coordination Sphere. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4008-4015.	2.0	11
24	Harnessing the active site triad: merging hemilability, proton responsivity, and ligand-based redox-activity. <i>Dalton Transactions</i> , 2020, 49, 960-965.	3.3	9
25	Complete denitrification of nitrate and nitrite to N <sub>2</sub> gas by samarium( <sup>II</sup> ) iodide. <i>Chemical Communications</i> , 2020, 56, 11441-11444.	4.1	5
26	Synthesis of ROMP Monomers Containing Metal-Metal Bonds. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2005, 15, 439-446.	3.7	4
27	NO Coupling by Nonclassical Dinuclear Dinitrosyliron Complexes to Form N <sub>2</sub> O Dictated by Hemilability. <i>Inorganic Chemistry</i> , 2021, 60, 15901-15909.	4.0	2