

Christine A Caputo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27 papers	1,843 citations	19 h-index	27 g-index
27 ext. papers	2,152 ext. citations	10.1 avg, IF	4.96 L-index

#	Paper	IF	Citations
27	Solar hydrogen production using carbon quantum dots and a molecular nickel catalyst. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6018-25	16.4	417
26	Solar-Driven Reduction of Aqueous Protons Coupled to Selective Alcohol Oxidation with a Carbon Nitride-Molecular Ni Catalyst System. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9183-92	16.4	210
25	Selective CO Reduction Catalyzed by Single Cobalt Sites on Carbon Nitride under Visible-Light Irradiation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16042-16047	16.4	173
24	Enhancing Light Absorption and Charge Transfer Efficiency in Carbon Dots through Graphitization and Core Nitrogen Doping. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6459-6463	16.4	156
23	Photocatalytic hydrogen production using polymeric carbon nitride with a hydrogenase and a bioinspired synthetic Ni catalyst. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11538-42	16.4	151
22	Carbon Dots as Versatile Photosensitizers for Solar-Driven Catalysis with Redox Enzymes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16722-16730	16.4	144
21	[NiFeSe]-hydrogenase chemistry. <i>Accounts of Chemical Research</i> , 2015 , 48, 2858-65	24.3	84
20	Carbon nitride-TiO hybrid modified with hydrogenase for visible light driven hydrogen production. <i>Chemical Science</i> , 2015 , 6, 5690-5694	9.4	79
19	A Cation-Captured Palladium(0) Anion: Synthesis, Structure, and Bonding of [PdBr(PPh ₃) ₂] ⁻ Ligated by an N-Heterocyclic Phosphenium Cation. <i>Organometallics</i> , 2009 , 28, 5261-5265	3.8	49
18	The role of group 14 element hydrides in the activation of C-H bonds in cyclic olefins. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14595-603	16.4	47
17	Phospha-Fischer Carbenes: Synthesis, Structure, Bonding, and Reactions of Pd(0) and Pt(0) Phosphenium Complexes. <i>Organometallics</i> , 2009 , 28, 990-1000	3.8	45
16	Reversible and irreversible higher-order cycloaddition reactions of polyolefins with a multiple-bonded heavier group 13 alkene analogue: contrasting the behavior of systems with π , π , and π + frontier molecular orbital symmetry. <i>Journal of the American Chemical Society</i> , 2012 , 134, 7155-64	16.4	41
15	Heavier Main Group Dimetallene Reactivity: Effects of Frontier Orbital Symmetry. <i>Organometallics</i> , 2013 , 32, 2278-2286	3.8	40
14	Enhancing Light Absorption and Charge Transfer Efficiency in Carbon Dots through Graphitization and Core Nitrogen Doping. <i>Angewandte Chemie</i> , 2017 , 129, 6559-6563	3.6	34
13	Counterintuitive mechanisms of the addition of hydrogen and simple olefins to heavy group 13 alkene analogues. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1952-60	16.4	32
12	Activation of olefins with low-valent gallium compounds under ambient conditions. <i>Chemical Communications</i> , 2011 , 47, 7506-8	5.8	26
11	Dynamic Behavior and Isomerization Equilibria of Distannenes Synthesized by Tin Hydride/Olefin Insertions: Characterization of the Elusive Monohydrido Bridged Isomer. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6586-6595	16.4	23

10	Impact of vacancies on electronic properties of black phosphorus probed by STM. <i>Journal of Applied Physics</i> , 2018 , 123, 044301	2.5	23
9	Tin(II) Hydrides as Intermediates in Rearrangements of Tin(II) Alkyl Derivatives. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6596-6604	16.4	22
8	Metathetical Exchange between Metal-Metal Triple Bonds. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2233-2237	16.4	16
7	Cleavage of GeGe and SnSn Triple Bonds in Heavy Group 14 Element Alkyne Analogues (EAriPr ₄) ₂ (E = Ge, Sn; AriPr ₄ = C ₆ H ₃ -2,6-(C ₆ H ₃ -2,6-iPr ₂) ₂) by Reaction with Group 6 Carbonyls. <i>Organometallics</i> , 2016 , 35, 2759-2767	3.8	9
6	Reactions of Terphenyl-Substituted Digallene AriPr ₄ GaGaAriPr ₄ (AriPr ₄ = C ₆ H ₃ -2,6-(C ₆ H ₃ -2,6-iPr ₂) ₂) with Transition Metal Carbonyls and Theoretical Investigation of the Mechanism of Addition. <i>Organometallics</i> , 2016 , 35, 579-586	3.8	8
5	Effect of Carbon Doping on CO ₂ -Reduction Activity of Single Cobalt Sites in Graphitic Carbon Nitride. <i>ChemNanoMat</i> , 2021 , 7, 1051-1056	3.5	6
4	Synthetic approaches to artificial photosynthesis: general discussion. <i>Faraday Discussions</i> , 2019 , 215, 242-281	3.6	4
3	Modular syntheses of oxazolinyamine ligands and characterization of group 10 metal complexes. <i>Canadian Journal of Chemistry</i> , 2007 , 85, 85-95	0.9	3
2	Tunable Photocatalytic Production of Syngas Using Co@C ₃ N ₄ and Black Phosphorus. <i>ChemPhotoChem</i> , 2021 , 5, 674-679	3.3	1
1	Highlights from Faraday Discussion: Artificial Photosynthesis, Cambridge, UK, March 2019. <i>Chemical Communications</i> , 2019 , 55, 8351-8358	5.8	