

# Son C Nguyen

## List of Publications by Year in descending order

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39  
papers

1,884  
citations

393982

19  
h-index

288905

40  
g-index

43  
all docs

43  
docs citations

43  
times ranked

3797  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ligand Mediated Transformation of Cesium Lead Bromide Perovskite Nanocrystals to Lead Depleted Cs <sub>4</sub> PbBr <sub>6</sub> Nanocrystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 5309-5312.	6.6	389
2	Single-particle mapping of nonequilibrium nanocrystal transformations. <i>Science</i> , 2016, 354, 874-877.	6.0	204
3	A Comparison of Photocatalytic Activities of Gold Nanoparticles Following Plasmonic and Interband Excitation and a Strategy for Harnessing Interband Hot Carriers for Solution Phase Photocatalysis. <i>ACS Central Science</i> , 2017, 3, 482-488.	5.3	174
4	Spectroscopic elucidation of energy transfer in hybrid inorganic-biological organisms for solar-to-chemical production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11750-11755.	3.3	125
5	The Use of Graphene and Its Derivatives for Liquid-Phase Transmission Electron Microscopy of Radiation-Sensitive Specimens. <i>Nano Letters</i> , 2017, 17, 414-420.	4.5	120
6	Silica-Supported Cationic Gold(I) Complexes as Heterogeneous Catalysts for Regio- and Enantioselective Lactonization Reactions. <i>Journal of the American Chemical Society</i> , 2015, 137, 7083-7086.	6.6	110
7	Study of Heat Transfer Dynamics from Gold Nanorods to the Environment <i>via</i> Time-Resolved Infrared Spectroscopy. <i>ACS Nano</i> , 2016, 10, 2144-2151.	7.3	109
8	Mechanism of ion adsorption to aqueous interfaces: Graphene/water vs. air/water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13369-13373.	3.3	84
9	Solution-Processed, High-Speed, and High-Quantum-Efficiency Quantum Dot Infrared Photodetectors. <i>ACS Photonics</i> , 2016, 3, 1217-1222.	3.2	73
10	X-ray Transient Absorption and Picosecond IR Spectroscopy of Fulvalene(tetracarbonyl)diruthenium on Photoexcitation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7692-7696.	7.2	47
11	Ultrafast Infrared Studies of the Role of Spin States in Organometallic Reaction Dynamics. <i>Accounts of Chemical Research</i> , 2014, 47, 1634-1642.	7.6	38
12	Exploring the Potential of Fulvalene Dimetals as Platforms for Molecular Solar Thermal Energy Storage: Computations, Syntheses, Structures, Kinetics, and Catalysis. <i>Chemistry - A European Journal</i> , 2014, 20, 15587-15604.	1.7	35
13	Characterizing Photon Reabsorption in Quantum Dot-Polymer Composites for Use as Displacement Sensors. <i>ACS Nano</i> , 2017, 11, 2075-2084.	7.3	32
14	A Computational Study of Lithium Ketone Enolate Aggregation in the Gas Phase and in THF Solution. <i>Journal of Organic Chemistry</i> , 2008, 73, 6086-6091.	1.7	26
15	Ultrafast Observation of a Solvent Dependent Spin State Equilibrium in CpCo(CO). <i>Journal of the American Chemical Society</i> , 2012, 134, 3120-3126.	6.6	26
16	Carrier Diffusion—The Main Contribution to Size-Dependent Photocatalytic Activity of Colloidal Gold Nanoparticles. <i>ACS Catalysis</i> , 2019, 9, 4211-4217.	5.5	25
17	Tuning Redox Potential of Gold Nanoparticle Photocatalysts by Light. <i>ACS Nano</i> , 2020, 14, 7038-7045.	7.3	25
18	Reactivity of TEMPO toward 16- and 17-Electron Organometallic Reaction Intermediates: A Time-Resolved IR Study. <i>Journal of the American Chemical Society</i> , 2013, 135, 11266-11273.	6.6	23

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19	Observation of a Short-Lived Triplet Precursor in CpCo(CO)-Catalyzed Alkyne Cyclotrimerization. <i>Organometallics</i> , 2012, 31, 3582-3587.	1.1	20
20	Vibrational Cooling Dynamics of a [FeFe]-Hydrogenase Mimic Probed by Time-Resolved Infrared Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11529-11540.	1.1	20
21	Determining Equilibrium Fluctuations Using Temperature-Dependent 2D-IR. <i>Journal of Physical Chemistry B</i> , 2013, 117, 15346-15355.	1.2	17
22	Revisiting the Effect of the Air–Water Interface of Ultrasonically Atomized Water Microdroplets on $H_2O_2$ Formation. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3180-3185.	1.2	17
23	Switching from Ru to Fe: picosecond IR spectroscopic investigation of the potential of the (fulvalene)tetracarbonyliron frame for molecular solar-thermal storage. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7466.	1.3	14
24	Chemistry of the Triplet 14-Electron Complex $Fe(CO)_3$ in Solution Studied by Ultrafast Time-Resolved IR Spectroscopy. <i>Organometallics</i> , 2012, 31, 3980-3984.	1.1	13
25	Ultrafast Studies of Stannane Activation by Triplet Organometallic Photoproducts. <i>Organometallics</i> , 2012, 31, 3947-3957.	1.1	11
26	Dynamics of Micropollutant Adsorption to Polystyrene Surfaces Probed by Angle-Resolved Second Harmonic Scattering. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14362-14369.	1.5	11
27	Direct Observation of Metal Ketenes Formed by Photoexcitation of a Fischer Carbene using Ultrafast Infrared Spectroscopy. <i>Organometallics</i> , 2014, 33, 6149-6153.	1.1	10
28	Studying the Dynamics of Photochemical Reactions via Ultrafast Time-Resolved Infrared Spectroscopy of the Local Solvent. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2974-2978.	2.1	10
29	Direct Observation of a Bent Carbonyl Ligand in a 19-Electron Transition Metal Complex. <i>Journal of Physical Chemistry A</i> , 2013, 117, 2317-2324.	1.1	8
30	Picosecond TRIR Studies of $M_3(CO)_{12}$ (M = Fe, Os) Clusters in Solution. <i>Organometallics</i> , 2013, 32, 2178-2186.	1.1	8
31	Insights into the Photochemical Disproportionation of Transition Metal Dimers on the Picosecond Time Scale. <i>Journal of Physical Chemistry A</i> , 2013, 117, 3777-3785.	1.1	7
32	New insights into the photochemistry of $[CpFe(CO)_2]_2$ using picosecond through microsecond time-resolved infrared spectroscopy (TRIR). <i>Polyhedron</i> , 2014, 72, 130-134.	1.0	7
33	$(\eta^6\text{-}[7]\text{Heliphene})\text{tricarboxylchromium}$ via an Optimized Preparation of [7]Heliphene. <i>Synthesis</i> , 2015, 47, 2038-2054.	1.2	7
34	Ultrafast TRIR and DFT Studies of the Photochemical Dynamics of $Co_4(CO)_{12}$ in Solution. <i>Organometallics</i> , 2012, 31, 4031-4038.	1.1	6
35	Exploring the Utility of Tandem Thermal–Photochemical CO Delivery with CORM-2. <i>Organometallics</i> , 2014, 33, 6179-6185.	1.1	6
36	Electron Dynamics and IR Peak Coalescence in Bridged Mixed Valence Dimers Studied by Ultrafast 2D-IR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10738-10749.	1.2	6

#	ARTICLE	IF	CITATIONS
37	Mechanistic insight into deep holes from interband transitions in Palladium nanoparticle photocatalysts. <i>IScience</i> , 2022, 25, 103737.	1.9	5
38	Catalytic Mechanism of Interfacial Water in the Cycloaddition of Quadricyclane and Diethyl Azodicarboxylate. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3026-3030.	2.1	3
39	Effect of Photocharging on Catalysis of Metallic Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12173-12179.	2.1	3