

# Felix N Castellano

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12005871/publications.pdf>

Version: 2024-02-01

226  
papers

16,643  
citations

9786

73  
h-index

18130

120  
g-index

230  
all docs

230  
docs citations

230  
times ranked

11487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photophysics. , 2022, , 9-28.		1
2	CsPbI <sub>3</sub> Nanocrystals Go with the Flow: From Formation Mechanism to Continuous Nanomanufacturing. <i>Advanced Functional Materials</i> , 2022, 32, 2108687.	14.9	21
3	Copper(II)-photocatalyzed decarboxylative oxygenation of carboxylic acids. <i>Chemical Communications</i> , 2022, 58, 4456-4459.	4.1	31
4	Engineering Long-Lived Blue Photoluminescence from InP Quantum Dots Using Isomers of Naphthoic Acid. <i>Journal of the American Chemical Society</i> , 2022, 144, 3527-3534.	13.7	10
5	Metal-to-Ligand Charge Transfer in Pt(II) Dimers Bridged by Pyridyl and Quinoline Thiols. <i>Inorganic Chemistry</i> , 2022, 61, 121-130.	4.0	16
6	Thermally Activated Bright-State Delayed Blue Photoluminescence from InP Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2022, , 3706-3711.	4.6	2
7	A Unified Approach to Decarboxylative Halogenation of (Hetero)aryl Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2022, 144, 8296-8305.	13.7	67
8	Long-Lived Photoluminescence of Molecular Group 14 Compounds through Thermally Activated Delayed Fluorescence. <i>Inorganic Chemistry</i> , 2022, 61, 7338-7348.	4.0	14
9	Real-Time and <i>In Situ</i> Viscosity Monitoring in Industrial Adhesives Using Luminescent Cu(I) Phenanthroline Molecular Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 33976-33983.	8.0	0
10	Accessing the triplet manifold of naphthalene benzimidazole-phenanthroline in rhenium(III) bichromophores. <i>Dalton Transactions</i> , 2021, 50, 13086-13095.	3.3	8
11	Low power threshold photochemical upconversion using a zirconium(IV) LMCT photosensitizer. <i>Chemical Science</i> , 2021, 12, 9069-9077.	7.4	63
12	Shallow distance-dependent triplet energy migration mediated by endothermic charge-transfer. <i>Nature Communications</i> , 2021, 12, 1532.	12.8	33
13	Controlling Thermally Activated Delayed Photoluminescence in CdSe Quantum Dots through Triplet Acceptor Surface Coverage. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3718-3723.	4.6	18
14	Next Generation Cuprous Phenanthroline MLCT Photosensitizer Featuring Cyclohexyl Substituents. <i>Inorganic Chemistry</i> , 2021, 60, 8394-8403.	4.0	31
15	Ultrafast Excited-State Dynamics of Photoluminescent Pt(II) Dimers Probed by a Coherent Vibrational Wavepacket. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6794-6803.	4.6	23
16	Passivation of Electron Trap States in InP Quantum Dots with Benzoic Acid Ligands. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18362-18371.	3.1	12
17	Photodriven Elimination of Chlorine From Germanium and Platinum in a Dinuclear Pt(II)-Ge(IV) Complex. <i>Angewandte Chemie</i> , 2021, 133, 22526-22532.	2.0	3
18	Photodriven Elimination of Chlorine From Germanium and Platinum in a Dinuclear Pt(II)-Ge(IV) Complex. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22352-22358.	13.8	9

#	ARTICLE	IF	CITATIONS
19	Excited-State Bond Contraction and Charge Migration in a Platinum Dimer Complex Characterized by X-ray and Optical Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8891-8898.	2.5	11
20	Understanding the influence of geometric and electronic structure on the excited state dynamical and photoredox properties of perinone chromophores. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 24200-24210.	2.8	5
21	General Design Rules for Bimetallic Platinum(II) Complexes. <i>Journal of Physical Chemistry A</i> , 2021, 125, 9438-9449.	2.5	7
22	Photochemical H <sub>2</sub> Evolution from Bis(diphosphine)nickel Hydrides Enables Low-Overpotential Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 21388-21401.	13.7	10
23	Mechanisms of triplet energy transfer across the inorganic nanocrystal/organic molecule interface. <i>Nature Communications</i> , 2020, 11, 28.	12.8	127
24	Photophysics and ultrafast processes in rhenium( $\pi$ ) diimine dicarbonyls. <i>Dalton Transactions</i> , 2020, 49, 11565-11576.	3.3	12
25	Visible-Light-Initiated Free-Radical Polymerization by Homomolecular Triplet-Triplet Annihilation. <i>CheM</i> , 2020, 6, 3071-3085.	11.7	54
26	Photochemical Upconversion in Water Using Cu(I) MLCT Excited States: Role of Energy Shuttling at the Micellar/Water Interface. <i>ACS Applied Energy Materials</i> , 2020, 3, 12557-12564.	5.1	12
27	Vibronic and excitonic dynamics in perylene diimide dimers and tetramer. <i>Journal of Chemical Physics</i> , 2020, 153, 224101.	3.0	4
28	TIPS-pentacene triplet exciton generation on PbS quantum dots results from indirect sensitization. <i>Chemical Science</i> , 2020, 11, 5690-5696.	7.4	19
29	Energy Migration Processes in Re(I) MLCT Complexes Featuring a Chromophoric Ancillary Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 8259-8271.	4.0	10
30	Visible-Light-Driven Triplet Sensitization of Polycyclic Aromatic Hydrocarbons Using Thionated Perinones. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5092-5099.	4.6	23
31	On the Quantum Yield of Photon Upconversion via Triplet-Triplet Annihilation. <i>ACS Energy Letters</i> , 2020, 5, 2322-2326.	17.4	137
32	Thermally Activated Delayed Photoluminescence: Deterministic Control of Excited-State Decay. <i>Journal of the American Chemical Society</i> , 2020, 142, 10883-10893.	13.7	32
33	Direct Evidence of Visible Light-Induced Homolysis in Chlorobis(2,9-dimethyl-1,10-phenanthroline)copper(II). <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5345-5349.	4.6	43
34	Delayed fluorescence from a zirconium(IV) photosensitizer with ligand-to-metal charge-transfer excited states. <i>Nature Chemistry</i> , 2020, 12, 345-352.	13.6	144
35	$d-d$ Excited States of Ni(II) Complexes Relevant to Photoredox Catalysis: Spectroscopic Identification and Mechanistic Implications. <i>Journal of the American Chemical Society</i> , 2020, 142, 5800-5810.	13.7	168
36	Ligand-triplet migration in iridium( $\pi$ ) cyclometalates featuring $\pi$ -conjugated isocyanide ligands. <i>Dalton Transactions</i> , 2020, 49, 9995-10002.	3.3	9

#	ARTICLE	IF	CITATIONS
37	A Robust Visible-Light-Harvesting Cyclometalated Ir(III) Diimine Sensitizer for Homogeneous Photocatalytic Hydrogen Production. <i>ACS Applied Energy Materials</i> , 2020, 3, 1842-1853.	5.1	30
38	Excited-State Triplet Equilibria in a Series of Re(I)-Naphthalimide Bichromophores. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7611-7627.	2.6	23
39	Resolving the ultrafast intersystem crossing in a bimetallic platinum complex. <i>Journal of Chemical Physics</i> , 2019, 151, 114303.	3.0	19
40	Realization of high-efficiency fluorescent organic light-emitting diodes with low driving voltage. <i>Nature Communications</i> , 2019, 10, 2305.	12.8	77
41	Photophysical Processes in Rhenium(I) Diiminetricarbonyl Arylisocyanides Featuring Three Interacting Triplet Excited States. <i>Inorganic Chemistry</i> , 2019, 58, 8750-8762.	4.0	24
42	Facile Room-Temperature Anion Exchange Reactions of Inorganic Perovskite Quantum Dots Enabled by a Modular Microfluidic Platform. <i>Advanced Functional Materials</i> , 2019, 29, 1900712.	14.9	84
43	Positional Effects from $\pi$ -Bonded Platinum(II) on Intersystem Crossing Rates in Perylenediimide Complexes: Synthesis, Structures, and Photophysical Properties. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13848-13862.	3.1	18
44	Ultrafast Dynamics of the Metal-to-Ligand Charge Transfer Excited States of Ir(III) Proteo and Deutero Dihydrides. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4430-4436.	2.5	7
45	Role of Vibrational Dynamics on Excited-State Electronic Coherence in a Binuclear Platinum Complex. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5071-5077.	2.5	10
46	Enhancing the Visible-Light Absorption and Excited-State Properties of Cu(I) MLCT Excited States. <i>Inorganic Chemistry</i> , 2018, 57, 2296-2307.	4.0	53
47	Excited-State Processes of Cyclometalated Platinum(II) Charge-Transfer Dimers Bridged by Hydroxypyridines. <i>Inorganic Chemistry</i> , 2018, 57, 1298-1310.	4.0	43
48	Nanocrystals for Triplet Sensitization: Molecular Behavior from Quantum-Confined Materials. <i>Inorganic Chemistry</i> , 2018, 57, 2351-2359.	4.0	43
49	Diastereomerically Differentiated Excited State Behavior in Ruthenium(II) Hexafluoroacetylacetonate Complexes of Diphenyl Thioindigo Diimine. <i>Inorganic Chemistry</i> , 2018, 57, 1386-1397.	4.0	8
50	Thermally activated delayed photoluminescence from pyrenyl-functionalized CdSe quantum dots. <i>Nature Chemistry</i> , 2018, 10, 225-230.	13.6	129
51	Coherent Vibrational Wavepacket Dynamics in Platinum(II) Dimers and Their Implications. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14195-14204.	3.1	35
52	Long-lived triplet excited state in a platinum(ii) perylene monoimide complex. <i>Dalton Transactions</i> , 2018, 47, 15071-15081.	3.3	16
53	Bathophenanthroline Disulfonate Ligand-Induced Self-Assembly of Ir(III) Complexes in Water: An Intriguing Class of Photoluminescent Soft Materials. <i>ACS Omega</i> , 2018, 3, 14027-14038.	3.5	2
54	Excited-State Switching between Ligand-Centered and Charge Transfer Modulated by Metal-Carbon Bonds in Cyclopentadienyl Iridium Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 15445-15461.	4.0	12

#	ARTICLE	IF	CITATIONS
55	Temperature dependence of photophysical properties of a dinuclear C <sup>N</sup> -cyclometalated Pt( <sup>ii</sup> ) complex with an intimate Pt <sup>ii</sup> -Pt contact. Zero-field splitting and sub-state decay rates of the lowest triplet. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25096-25104.	2.8	13
56	Energy Transfer Dynamics in Triplet <sup>ii</sup> -Triplet Annihilation Upconversion Using a Bichromophoric Heavy-Atom-Free Sensitizer. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6673-6682.	2.5	40
57	Effect of Polymer <sup>ii</sup> -Fullerene Interaction on the Dielectric Properties of the Blend. <i>Advanced Energy Materials</i> , 2017, 7, 1601947.	19.5	51
58	Can Excited State Electronic Coherence Be Tuned via Molecular Structural Modification? A First-Principles Quantum Electronic Dynamics Study of Pyrazolate-Bridged Pt(II) Dimers. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1932-1939.	2.5	15
59	Photoinduced structural distortions and singlet <sup>ii</sup> -triplet intersystem crossing in Cu( <sup>i</sup> ) MLCT excited states monitored by optically gated fluorescence spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16662-16668.	2.8	19
60	Charge Localization after Ultrafast Photoexcitation of a Rigid Perylene Perylenediimide Dyad Visualized by Transient Stark Effect. <i>Journal of the American Chemical Society</i> , 2017, 139, 5530-5537.	13.7	33
61	Making iron glow. <i>Nature</i> , 2017, 543, 627-628.	27.8	5
62	Delayed Molecular Triplet Generation from Energized Lead Sulfide Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1458-1463.	4.6	78
63	Efficient Generation of Long <sup>ii</sup> -Lived Triplet Excitons in 2D Hybrid Perovskite. <i>Advanced Materials</i> , 2017, 29, 1604278.	21.0	81
64	Photochemical upconversion in water. <i>Chemical Communications</i> , 2017, 53, 11705-11708.	4.1	37
65	Efficient Phosphorescence from Naphthalenebenzimidazole <sup>ii</sup> -Coordinated Iridium(III) Chromophores. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5238-5245.	2.0	14
66	Restricted Photoinduced Conformational Change in the Cu(I) Complex for Sensing Mechanical Properties. <i>ACS Macro Letters</i> , 2017, 6, 920-924.	4.8	12
67	Homogeneous Photocatalytic H <sub>2</sub> Production Using a Ru <sup>II</sup> Bathophenanthroline Metal <sup>ii</sup> -Ligand Charge <sup>ii</sup> -Transfer Photosensitizer. <i>ChemPlusChem</i> , 2016, 81, 1090-1097.	2.8	20
68	Editorial for the ACS Select Virtual Issue on Emerging Investigators in Inorganic Photochemistry and Photophysics. <i>Inorganic Chemistry</i> , 2016, 55, 12483-12487.	4.0	2
69	Materials Integrating Photochemical Upconversion. <i>Topics in Current Chemistry</i> , 2016, 374, 19.	5.8	28
70	Enhanced photophysics from self-assembled cyclometalated Ir( <sup>iii</sup> ) complexes in water. <i>Chemical Communications</i> , 2016, 52, 7846-7849.	4.1	19
71	1-Pyrenyl- and 3-Perylenyl-antimony(V) Derivatives for the Fluorescence Turn-On Sensing of Fluoride Ions in Water at Sub-ppm Concentrations. <i>Organometallics</i> , 2016, 35, 1854-1860.	2.3	65
72	Cuprous Phenanthroline MLCT Chromophore Featuring Synthetically Tailored Photophysics. <i>Inorganic Chemistry</i> , 2016, 55, 10628-10636.	4.0	51

#	ARTICLE	IF	CITATIONS
73	Liquid PEG Polymers Containing Antioxidants: A Versatile Platform for Studying Oxygen-Sensitive Photochemical Processes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 24038-24048.	8.0	43
74	Butterfly Deformation Modes in a Photoexcited Pyrazolate-Bridged Pt Complex Measured by Time-Resolved X-Ray Scattering in Solution. <i>Journal of Physical Chemistry A</i> , 2016, 120, 7475-7483.	2.5	34
75	Exposing the Excited-State Equilibrium in an Ir <sup>III</sup> Bichromophore: A Combined Time Resolved Spectroscopy and Computational Study. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1808-1818.	2.0	34
76	Direct observation of triplet energy transfer from semiconductor nanocrystals. <i>Science</i> , 2016, 351, 369-372.	12.6	336
77	Tunable Excited-State Properties and Dynamics as a Function of Pt-Pt Distance in Pyrazolate-Bridged Pt(II) Dimers. <i>Journal of Physical Chemistry A</i> , 2016, 120, 543-550.	2.5	52
78	Efficient Visible to Near-UV Photochemical Upconversion Sensitized by a Long Lifetime Cu(I) MLCT Complex. <i>Inorganic Chemistry</i> , 2015, 54, 6035-6042.	4.0	46
79	Photon upconversion sensitized by a Ru(II)-pyrenyl chromophore. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140322.	3.4	10
80	Sensing of 2,4,6-trinitrotoluene (TNT) and 2,4-dinitrotoluene (2,4-DNT) in the Solid State with Photoluminescent Ru <sup>II</sup> and Ir <sup>III</sup> Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 4056-4064.	3.3	33
81	Altering Molecular Photophysics by Merging Organic and Inorganic Chromophores. <i>Accounts of Chemical Research</i> , 2015, 48, 828-839.	15.6	97
82	Parallelization of photocatalytic gas-producing reactions. <i>Review of Scientific Instruments</i> , 2015, 86, 034101.	1.3	6
83	Transient Absorption Dynamics of Sterically Congested Cu(I) MLCT Excited States. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3181-3193.	2.5	102
84	Near-Infrared-to-Visible Photon Upconversion Enabled by Conjugated Porphyrinic Sensitizers under Low-Power Noncoherent Illumination. <i>Journal of Physical Chemistry A</i> , 2015, 119, 5642-5649.	2.5	33
85	MLCT sensitizers in photochemical upconversion: past, present, and potential future directions. <i>Dalton Transactions</i> , 2015, 44, 17906-17910.	3.3	32
86	Bioinspired design of redox-active ligands for multielectron catalysis: effects of positioning pyrazine reservoirs on cobalt for electro- and photocatalytic generation of hydrogen from water. <i>Chemical Science</i> , 2015, 6, 4954-4972.	7.4	99
87	Tetrahedral rigid core antenna chromophores bearing bay-substituted perylene diimides. <i>Tetrahedron</i> , 2015, 71, 9519-9527.	1.9	10
88	Excited State Equilibrium Induced Lifetime Extension in a Dinuclear Platinum(II) Complex. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10391-10399.	2.5	44
89	Triplet State Formation in Homo- and Heterometallic Diketopyrrolopyrrole Chromophores. <i>Inorganic Chemistry</i> , 2014, 53, 12564-12571.	4.0	15
90	Intramolecular radiationless transitions dominate exciton relaxation dynamics. <i>Chemical Physics Letters</i> , 2014, 599, 23-33.	2.6	38

#	ARTICLE	IF	CITATIONS
91	Light-Driven Hydrogen Evolution by BODIPY-Sensitized Cobaloxime Catalysts. <i>Inorganic Chemistry</i> , 2014, 53, 4527-4534.	4.0	72
92	Texaphyrin sensitized near-IR-to-visible photon upconversion. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 813-819.	2.9	29
93	Advances in the light conversion properties of Cu(I)-based photosensitizers. <i>Polyhedron</i> , 2014, 82, 57-70.	2.2	143
94	Photochemical Upconversion: The Primacy of Kinetics. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 4062-4072.	4.6	229
95	Red-to-Blue/Cyan/Green Upconverting Microcapsules for Aqueous- and Dry-Phase Color Tuning and Magnetic Sorting. <i>ACS Photonics</i> , 2014, 1, 382-388.	6.6	66
96	Mono- and Dinuclear Cationic Iridium(III) Complexes Bearing a 2,5-Dipyridylpyrazine (2,5-dpp) Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 8495-8504.	4.0	67
97	Charge-Transfer and Ligand-Localized Photophysics in Luminescent Cyclometalated Pyrazolate-Bridged Dinuclear Platinum(II) Complexes. <i>Organometallics</i> , 2013, 32, 3819-3829.	2.3	92
98	Tracking of Tuning Effects in Bis-Cyclometalated Iridium Complexes: A Combined Time Resolved Infrared Spectroscopy, Electrochemical, and Computational Study. <i>Inorganic Chemistry</i> , 2013, 52, 8795-8804.	4.0	30
99	Ranking Solvent Interactions and Dielectric Constants with [Pt(mesBIAN)(tda)]: A Cautionary Tale for Polarity Determinations in Ionic Liquids. <i>ChemPhysChem</i> , 2013, 14, 1025-1030.	2.1	9
100	Catalytic proton reduction with transition metal complexes of the redox-active ligand bpy2PYMe. <i>Chemical Science</i> , 2013, 4, 3934.	7.4	166
101	Ultrafast Photoinduced Electron Transfer in Viologen-Linked BODIPY Dyes. <i>ChemPhysChem</i> , 2013, 14, 3348-3354.	2.1	25
102	Structural Refinement of Ladder-Type Perylene-diimide Dimers: A Classical Tale of Conformational Dynamics. <i>Journal of Organic Chemistry</i> , 2013, 78, 8634-8644.	3.2	14
103	Robust Cuprous Phenanthroline Sensitizer for Solar Hydrogen Photocatalysis. <i>Journal of the American Chemical Society</i> , 2013, 135, 14068-14070.	13.7	149
104	Near-IR phosphorescent metalloporphyrin as a photochemical upconversion sensitizer. <i>Chemical Communications</i> , 2013, 49, 7406.	4.1	61
105	Diarylpyrenes vs. diaryltetrahydropyrenes: Crystal structures, fluorescence, and upconversion photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 272, 49-57.	3.9	13
106	Photochemical Upconversion: A Physical or Inorganic Chemistry Experiment for Undergraduates Using a Conventional Fluorimeter. <i>Journal of Chemical Education</i> , 2013, 90, 786-789.	2.3	13
107	Design of a Long-Lifetime, Earth-Abundant, Aqueous Compatible Cu(I) Photosensitizer Using Cooperative Steric Effects. <i>Inorganic Chemistry</i> , 2013, 52, 8114-8120.	4.0	161
108	Improving the Catalytic Activity of Semiconductor Nanocrystals through Selective Domain Etching. <i>Nano Letters</i> , 2013, 13, 2016-2023.	9.1	84



#	ARTICLE	IF	CITATIONS
109	Orange-to-blue and red-to-green photon upconversion with a broadband absorbing copper(i) MLCT sensitizer. <i>Chemical Communications</i> , 2013, 49, 3537.	4.1	45
110	Annihilation Limit of a Visible-to-UV Photon Upconversion Composition Ascertained from Transient Absorption Kinetics. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4412-4419.	2.5	71
111	Getting to the (Square) Root of the Problem: How to Make Noncoherent Pumped Upconversion Linear. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 299-303.	4.6	279
112	Photocatalytic Hydrogen Production at Titania-Supported Pt Nanoclusters That Are Derived from Surface-Anchored Molecular Precursors. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1429-1438.	3.1	31
113	Photocatalytic Activity of Core/Shell Semiconductor Nanocrystals Featuring Spatial Separation of Charges. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22786-22793.	3.1	38
114	Structure and Activity of Photochemically Deposited $\text{Co}^{II}$ -Oxygen Evolving Catalyst on Titania. <i>ACS Catalysis</i> , 2012, 2, 2150-2160.	11.2	60
115	Upconversion-powered photoelectrochemistry. <i>Chemical Communications</i> , 2012, 48, 209-211.	4.1	261
116	Stibonium Ions for the Fluorescence Turn-On Sensing of $\text{F}^{-}$ in Drinking Water at Parts per Million Concentrations. <i>Journal of the American Chemical Society</i> , 2012, 134, 15309-15311.	13.7	156
117	Metal Coordination Induced $\pi$ -Extension and Triplet State Production in Diketopyrrolopyrrole Chromophores. <i>Inorganic Chemistry</i> , 2012, 51, 7957-7959.	4.0	31
118	Ligand-Localized Triplet-State Photophysics in a Platinum(II) Terpyridyl Perylenediimideacetylde. <i>Inorganic Chemistry</i> , 2012, 51, 8589-8598.	4.0	55
119	Spectroscopy and Photophysics in Cyclometalated $\text{Ru}^{II}$ -Bis(bipyridyl) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4004-4011.	2.0	35
120	Transition metal complexes meet the rylenes. <i>Dalton Transactions</i> , 2012, 41, 8493.	3.3	67
121	High Efficiency Low-Power Upconverting Soft Materials. <i>Chemistry of Materials</i> , 2012, 24, 2250-2252.	6.7	184
122	Charge Recombination to Oxidized Iodide in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 20316-20325.	3.1	22
123	Bidirectional $\text{P} \rightarrow \text{D}$ Energy Transfer and 3000-Fold Lifetime Enhancement in a $\text{Re}(I)$ Charge Transfer Complex. <i>Inorganic Chemistry</i> , 2011, 50, 7820-7830.	4.0	96
124	Coherence in Metal-to-Ligand-Charge-Transfer Excited States of a Dimetallic Complex Investigated by Ultrafast Transient Absorption Anisotropy. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3990-3996.	2.5	65
125	Excited-State Properties of Heteroleptic Iridium(III) Complexes Bearing Aromatic Hydrocarbons with Extended Cores. <i>Inorganic Chemistry</i> , 2011, 50, 10859-10871.	4.0	42
126	Phosphorescent self-assembled $\text{Pt}_{II}$ tetranuclear metallocycles. <i>Chemical Communications</i> , 2011, 47, 4397.	4.1	36



#	ARTICLE	IF	CITATIONS
127	Homogeneous Photocatalytic Hydrogen Production Using $\eta^6$ -Conjugated Platinum(II) Arylacetylide Sensitizers. <i>Inorganic Chemistry</i> , 2011, 50, 705-707.	4.0	138
128	Synthesis and Characterization of Tris(Heteroleptic) Ru(II) Complexes Bearing Styryl Subunits. <i>Inorganic Chemistry</i> , 2011, 50, 9714-9727.	4.0	21
129	Carbazole donor and carbazole or bithiophene bridged sensitizers for dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 223, 57-64.	3.9	17
130	Controlled microwave synthesis of Ru(II) synthons and chromophores relevant to solar energy conversion. <i>Inorganica Chimica Acta</i> , 2010, 363, 283-287.	2.4	19
131	Photon upconversion based on sensitized triplet-triplet annihilation. <i>Coordination Chemistry Reviews</i> , 2010, 254, 2560-2573.	18.8	1,198
132	Triplet Excited State Distortions in a Pyrazolate Bridged Platinum Dimer Measured by X-ray Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12780-12787.	2.5	72
133	Viable Alternative to N719 for Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 2039-2045.	8.0	60
134	Supermolecular-Chromophore-Sensitized Near-Infrared-to-Visible Photon Upconversion. <i>Journal of the American Chemical Society</i> , 2010, 132, 14203-14211.	13.7	131
135	Naphthalimide Phosphorescence Finally Exposed in a Platinum(II) Diimine Complex. <i>Inorganic Chemistry</i> , 2010, 49, 6802-6804.	4.0	114
136	Electrolyte-Dependent Photovoltaic Responses in Dye-Sensitized Solar Cells Based on an Osmium(II) Dye of Mixed Denticity. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6831-6840.	3.1	25
137	Excited State Absorption Properties of Pt(II) Terpyridyl Complexes Bearing $\eta^6$ -Conjugated Arylacetylides. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14440-14449.	2.6	30
138	Stark Effects after Excited-State Interfacial Electron Transfer at Sensitized TiO <sub>2</sub> Nanocrystallites. <i>Journal of the American Chemical Society</i> , 2010, 132, 6696-6709.	13.7	171
139	Triplet Sensitized Red-to-Blue Photon Upconversion. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 195-200.	4.6	163
140	Excited-State Electron Transfer from Ruthenium-Polypyridyl Compounds to Anatase TiO <sub>2</sub> Nanocrystallites: Evidence for a Stark Effect. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14596-14604.	2.6	68
141	Boron Dipyrromethene (Bodipy) Phosphorescence Revealed in [Ir(ppy) <sub>2</sub> (bpy-Ca% <sub>0</sub> iC-Bodipy)] <sup>+</sup> . <i>Inorganic Chemistry</i> , 2010, 49, 3730-3736.	4.0	138
142	Low Power Visible-to-UV Upconversion. <i>Journal of Physical Chemistry A</i> , 2009, 113, 5912-5917.	2.5	135
143	Photophysics in Platinum(II) Bipyridylacetylides. <i>Inorganic Chemistry</i> , 2009, 48, 11533-11542.	4.0	24
144	Evolution of the Triplet Excited State in Pt <sup>II</sup> Perylenediimides. <i>Journal of Physical Chemistry A</i> , 2009, 113, 5763-5768.	2.5	66

#	ARTICLE	IF	CITATIONS
145	Influence of Temperature on Low-Power Upconversion in Rubbery Polymer Blends. <i>Journal of the American Chemical Society</i> , 2009, 131, 12007-12014.	13.7	162
146	Nonlinear Photochemistry Squared: Quartic Light Power Dependence Realized in Photon Upconversion. <i>Journal of Physical Chemistry A</i> , 2009, 113, 9266-9269.	2.5	34
147	Thermochromic Absorption and Photoluminescence in [Pt(ppy)( $\frac{1}{4}$ -Ph <sub>2</sub> pz)] <sub>2</sub> . <i>Inorganic Chemistry</i> , 2009, 48, 10865-10867.	4.0	84
148	Supra-Nanosecond Dynamics of a Red-to-Blue Photon Upconversion System. <i>Inorganic Chemistry</i> , 2009, 48, 2541-2548.	4.0	92
149	[Pt(mesBIAN)(tda)]: A near-infrared emitter and singlet oxygen sensitizer. <i>Dalton Transactions</i> , 2009, , 3950.	3.3	25
150	Solvent-induced configuration mixing and triplet excited-state inversion: insights from transient absorption and transient dc photoconductivity measurements. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 8586.	2.8	19
151	Platinum(II) Acetylide Photophysics. <i>Topics in Organometallic Chemistry</i> , 2009, , 1-35.	0.7	9
152	Microarray pattern recognition based on Pt(II) terpyridyl chloride complexes: vapochromic and vapoluminescent response. <i>Chemical Communications</i> , 2008, , 6134.	4.1	93
153	Solvent-induced configuration mixing and triplet excited state inversion exemplified in a Pt(II) complex. <i>Chemical Communications</i> , 2008, , 814-816.	4.1	32
154	Photophysics of the Platinum(II) Terpyridyl Terpyridylacetylide Platform and the Influence of Fe <sup>II</sup> and Zn <sup>II</sup> Coordination. <i>Inorganic Chemistry</i> , 2008, 47, 6796-6803.	4.0	31
155	Ligand Localized Triplet Excited States in Platinum(II) Bipyridyl and Terpyridyl Peryleneacetylides. <i>Inorganic Chemistry</i> , 2008, 47, 4348-4355.	4.0	74
156	Accessing the Triplet Excited State in Perylenediimides. <i>Journal of the American Chemical Society</i> , 2008, 130, 2766-2767.	13.7	158
157	Photochemical Upconversion Approach to Broad-Band Visible Light Generation. <i>Journal of Physical Chemistry A</i> , 2008, 112, 3906-3910.	2.5	83
158	Boron Dipyromethene Chromophores: Next Generation Triplet Acceptors/Annihilators for Low Power Upconversion Schemes. <i>Journal of the American Chemical Society</i> , 2008, 130, 16164-16165.	13.7	227
159	Visible-Light Induced Water Detoxification Catalyzed by Pt <sup>II</sup> Dye Sensitized Titania. <i>Journal of the American Chemical Society</i> , 2008, 130, 12566-12567.	13.7	120
160	Ultrafast Excited State Dynamics of Pt(II) Chromophores Bearing Multiple Infrared Absorbers. <i>Inorganic Chemistry</i> , 2008, 47, 6974-6983.	4.0	37
161	Slow Cation Transfer Follows Sensitizer Regeneration at Anatase TiO <sub>2</sub> Interfaces. <i>Journal of the American Chemical Society</i> , 2008, 130, 11586-11587.	13.7	55
162	Pd(II) Phthalocyanine-Sensitized Triplet-Triplet Annihilation from Rubrene. <i>Journal of Physical Chemistry A</i> , 2008, 112, 3550-3556.	2.5	156

#	ARTICLE	IF	CITATIONS
163	Bi- and Terpyridyl Platinum(II) Chloro Complexes: Molecular Catalysts for the Photogeneration of Hydrogen from Water or Simply Precursors for Colloidal Platinum?. <i>Journal of the American Chemical Society</i> , 2008, 130, 5056-5058.	13.7	170
164	Room temperature photoluminescence from $[Pt(4\text{-}C\text{-}CR\text{-}tpy)Cl]^+$ complexes. <i>Dalton Transactions</i> , 2007, , 4659.	3.3	21
165	Excited-State Absorption Properties of Platinum(II) Terpyridyl Acetylides. <i>Inorganic Chemistry</i> , 2007, 46, 3038-3048.	4.0	118
166	Luminescent Charge-Transfer Platinum(II) Metallacycle. <i>Inorganic Chemistry</i> , 2007, 46, 8771-8783.	4.0	68
167	Noncoherent Low-Power Upconversion in Solid Polymer Films. <i>Journal of the American Chemical Society</i> , 2007, 129, 12652-12653.	13.7	297
168	A fulleropyrrolidine end-capped platinum-acetylide triad: the mechanism of photoinduced charge transfer in organometallic photovoltaic cells. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 2724.	2.8	67
169	Lengthening of Fluorescence Lifetimes in Self-organized Metal-Organic Assemblies $\hat{A}$ . <i>Photochemistry and Photobiology</i> , 2007, 77, 510-514.	2.5	2
170	Upconverted Emission from Pyrene and Di-tert-butylpyrene Using Ir(ppy) <sub>3</sub> as Triplet Sensitizer. <i>Journal of Physical Chemistry A</i> , 2006, 110, 11440-11445.	2.5	159
171	Observation of Triplet Intraligand Excited States through Nanosecond Step-Scan Fourier Transform Infrared Spectroscopy. <i>Inorganic Chemistry</i> , 2006, 45, 2370-2372.	4.0	14
172	Platinum(II) Diimine Diacetylides: $\hat{A}$ Metallacyclization Enhances Photophysical Properties. <i>Inorganic Chemistry</i> , 2006, 45, 4304-4306.	4.0	81
173	Photo Processes on Self-Associated Cationic Porphyrins and Plastocyanin Complexes 1. Ligation of Plastocyanin Tyrosine 83 onto Metalloporphyrins and Electron-Transfer Fluorescence Quenching. <i>Journal of Physical Chemistry A</i> , 2006, 110, 2545-2559.	2.5	6
174	Photophysics in bipyridyl and terpyridyl platinum(II) acetylides. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1819-1828.	18.8	265
175	Photochemical Upconversion: Anthracene Dimerization Sensitized to Visible Light by a Rull Chromophore. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5957-5959.	13.8	164
176	Influence of a Gold(I) $\hat{A}$ Acetylide Subunit on the Photophysics of Re(Phen)(CO) <sub>3</sub> Cl. <i>Inorganic Chemistry</i> , 2005, 44, 3412-3421.	4.0	54
177	Ultrafast Energy Migration in Platinum(II) Diimine Complexes Bearing Pyrenylacetylide Chromophores. <i>Journal of Physical Chemistry A</i> , 2005, 109, 2465-2471.	2.5	92
178	Green Photoluminescence from Platinum(II) Complexes Bearing Silylacetylide Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 471-473.	4.0	79
179	Low power upconversion using MLCT sensitizers. <i>Chemical Communications</i> , 2005, , 3776.	4.1	267
180	Solvent Switching between Charge Transfer and Intraligand Excited States in a Multichromophoric Platinum(II) Complex. <i>Journal of Physical Chemistry A</i> , 2004, 108, 3485-3492.	2.5	109

#	ARTICLE	IF	CITATIONS
181	Room Temperature Phosphorescence from Ruthenium(II) Complexes Bearing Conjugated Pyrenylethynylene Subunits. <i>Inorganic Chemistry</i> , 2004, 43, 6083-6092.	4.0	82
182	Near-Field Optical Addressing of Luminescent Photoswitchable Supramolecular Systems Embedded in Inert Polymer Matrices. <i>Nano Letters</i> , 2004, 4, 835-839.	9.1	31
183	Anti-Stokes delayed fluorescence from metal-organic bichromophores. <i>Chemical Communications</i> , 2004, , 2860-2861.	4.1	132
184	Photochemically Reversible Luminescence Lifetime Switching in Metal-Organic Systems. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10619-10622.	2.5	42
185	Synthesis of bipyridine and terpyridine based ruthenium metallosynthons for grafting of multiple pyrene auxiliaries. <i>Tetrahedron Letters</i> , 2003, 44, 8713-8716.	1.4	31
186	Room Temperature Phosphorescence from a Platinum(II) Diimine Bis(pyrenylacetylide) Complex. <i>Inorganic Chemistry</i> , 2003, 42, 1394-1396.	4.0	194
187	Synthesis and photophysics of ruthenium(ii) complexes with multiple pyrenylethynylene subunits. <i>New Journal of Chemistry</i> , 2003, 27, 1679.	2.8	47
188	Directed assembly of chiral organometallic squares that exhibit dual luminescence Electronic supplementary information (ESI) available: experimental procedures and nine figures. See <a href="http://www.rsc.org/suppdata/cc/b3/b307727f/">http://www.rsc.org/suppdata/cc/b3/b307727f/</a> . <i>Chemical Communications</i> , 2003, , 2124.	4.1	47
189	Lengthening of Fluorescence Lifetimes in Self-organized Metal-Organic Assemblies. <i>Photochemistry and Photobiology</i> , 2003, 77, 510.	2.5	2
190	Photodriven Electron and Energy Transfer from a Light-Harvesting Metallodendrimer. <i>Inorganic Chemistry</i> , 2002, 41, 3578-3586.	4.0	42
191	Metal-Organic Approach to Binary Optical Memory. <i>Journal of the American Chemical Society</i> , 2002, 124, 4562-4563.	13.7	80
192	Luminescence Lifetime-Based Sensor for Cyanide and Related Anions. <i>Journal of the American Chemical Society</i> , 2002, 124, 6232-6233.	13.7	436
193	Excited State Processes in Ruthenium(II)/Pyrenyl Complexes Displaying Extended Lifetimes. <i>Journal of Physical Chemistry A</i> , 2001, 105, 8154-8161.	2.5	127
194	New Ru(II) Chromophores with Extended Excited-State Lifetimes. <i>Inorganic Chemistry</i> , 2001, 40, 4063-4071.	4.0	176
195	First Generation Light-Harvesting Dendrimers with a [Ru(bpy)3]2+ Core and Aryl Ether Ligands Functionalized with Coumarin 450. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4301-4305.	13.8	69
196	Ruthenium(II) complex with a notably long excited state lifetime. <i>Chemical Communications</i> , 2000, , 2355-2356.	4.1	89
197	Long-Range Resonance Energy Transfer to [Ru(bpy)3]2+. <i>Journal of Physical Chemistry A</i> , 2000, 104, 2919-2924.	2.5	16
198	Two-photon excitation of rhenium metal-ligand complexes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 122, 95-101.	3.9	23

#	ARTICLE	IF	CITATIONS
199	Long-lifetime lipid rhenium metalâ€“ligand complex for probing membrane dynamics on the microsecond timescale. <i>Chemistry and Physics of Lipids</i> , 1999, 99, 1-9.	3.2	22
200	Glucose Sensor for Low-Cost Lifetime-Based Sensing Using a Genetically Engineered Protein. <i>Analytical Biochemistry</i> , 1999, 267, 114-120.	2.4	196
201	Intramolecular Singlet and Triplet Energy Transfer in a Ruthenium(II) Diimine Complex Containing Multiple Pyrenyl Chromophores. <i>Journal of Physical Chemistry A</i> , 1999, 103, 10955-10960.	2.5	181
202	Light-Harvesting Arrays with Coumarin Donors and MLCT Acceptors. <i>Inorganic Chemistry</i> , 1999, 38, 4382-4383.	4.0	69
203	Electron and energy transfer from CuI MLCT excited states. <i>Coordination Chemistry Reviews</i> , 1998, 171, 309-322.	18.8	134
204	Long-lifetime Ru(II) complexes for the measurement of high molecular weight protein hydrodynamics. <i>BBA - Proteins and Proteomics</i> , 1998, 1383, 151-159.	2.1	27
205	Long-Lifetime Ru(II) Complexes as Labeling Reagents for Sulfhydryl Groups. <i>Analytical Biochemistry</i> , 1998, 255, 165-170.	2.4	92
206	A long-lifetime Ru(II) metalâ€“ligand complex as a membrane probe. <i>Biophysical Chemistry</i> , 1998, 71, 51-62.	2.8	34
207	Use of a Long-Lifetime Re(I) Complex in Fluorescence Polarization Immunoassays of High-Molecular-Weight Analytes. <i>Analytical Chemistry</i> , 1998, 70, 632-637.	6.5	141
208	Low-Frequency Modulation Sensors Using Nanosecond Fluorophores. <i>Analytical Chemistry</i> , 1998, 70, 5115-5121.	6.5	67
209	Long-lived highly luminescent rhenium (I) metal-ligand complex as a probe of biomolecules. , 1998, 3256, 223.		1
210	A Water-Soluble Luminescence Oxygen Sensor. <i>Photochemistry and Photobiology</i> , 1998, 67, 179.	2.5	78
211	Creation of Metal-to-Ligand Charge Transfer Excited States with Two-Photon Excitation. <i>Inorganic Chemistry</i> , 1997, 36, 5548-5551.	4.0	53
212	Light-Induced Charge Separation across Ru(II)-Modified Nanocrystalline TiO <sub>2</sub> Interfaces with Phenothiazine Donors. <i>Journal of Physical Chemistry B</i> , 1997, 101, 2591-2597.	2.6	149
213	Light-Induced Charge Separation at Sensitized Solâ€“Gel Processed Semiconductors. <i>Chemistry of Materials</i> , 1997, 9, 2341-2353.	6.7	71
214	Long-lifetime metal-ligand complexes as luminescent probes for DNA. <i>Journal of Fluorescence</i> , 1997, 7, 107-112.	2.5	33
215	A Long-Lived, Highly Luminescent Re(I) Metalâ€“Ligand Complex as a Biomolecular Probe. <i>Analytical Biochemistry</i> , 1997, 254, 179-186.	2.4	87
216	Photodriven Electron and Energy Transfer from Copper Phenanthroline Excited States. <i>Inorganic Chemistry</i> , 1996, 35, 6406-6412.	4.0	142

#	ARTICLE	IF	CITATIONS
217	DNA dynamics observed with long lifetime metal-ligand complexes. <i>Biospectroscopy</i> , 1995, 1, 163-168.	0.6	34
218	Photodriven Energy Transfer from Cuprous Phenanthroline Derivatives. <i>Inorganic Chemistry</i> , 1995, 34, 3-4.	4.0	36
219	Long-Lived Photoinduced Charge Separation across Nanocrystalline TiO <sub>2</sub> Interfaces. <i>Journal of the American Chemical Society</i> , 1995, 117, 11815-11816.	13.7	163
220	Photophysical Properties of Ruthenium Polypyridyl Photonic SiO <sub>2</sub> Gels. <i>Chemistry of Materials</i> , 1994, 6, 1041-1048.	6.7	86
221	Spectroscopic and excited-state properties of titanium dioxide gels. <i>Chemistry of Materials</i> , 1994, 6, 2123-2129.	6.7	49
222	Enhanced Spectral Sensitivity from Ruthenium(II) Polypyridyl Based Photovoltaic Devices. <i>Inorganic Chemistry</i> , 1994, 33, 5741-5749.	4.0	351
223	High efficiency deep red to yellow photochemical upconversion under solar irradiance. <i>Energy and Environmental Science</i> , 0, , .	30.8	10
224	Light-Induced Processes in Molecular Gel Materials. <i>Progress in Inorganic Chemistry</i> , 0, , 167-208.	3.0	6
225	Ultrafast branching in intersystem crossing dynamics revealed by coherent vibrational wavepacket motions in a bimetallic Pt( $\mu$ -1,2-ethanedithiolato) complex. <i>Faraday Discussions</i> , 0, 237, 259-273.	3.2	6
226	Ligand-Structure-Dependent Coherent Vibrational Wavepacket Dynamics in Pyrazolate-Bridged Pt(II) Dimers. <i>Journal of Physical Chemistry C</i> , 0, , .	3.1	11