

Felix N Castellano

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220
papers

14,113
citations

69
h-index

111
g-index

230
ext. papers

15,313
ext. citations

7.2
avg, IF

6.93
L-index

#	Paper	IF	Citations
220	Photon upconversion based on sensitized triplet-triplet annihilation. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 2560-2573	23.2	971
219	Luminescence lifetime-based sensor for cyanide and related anions. <i>Journal of the American Chemical Society</i> , 2002 , 124, 6232-3	16.4	421
218	Enhanced Spectral Sensitivity from Ruthenium(II) Polypyridyl Based Photovoltaic Devices. <i>Inorganic Chemistry</i> , 1994 , 33, 5741-5749	5.1	308
217	Direct observation of triplet energy transfer from semiconductor nanocrystals. <i>Science</i> , 2016 , 351, 369-733	33.3	275
216	Noncoherent low-power upconversion in solid polymer films. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12652-3	16.4	274
215	Photophysics in bipyridyl and terpyridyl platinum(II) acetylides. <i>Coordination Chemistry Reviews</i> , 2006 , 250, 1819-1828	23.2	251
214	Low power upconversion using MLCT sensitizers. <i>Chemical Communications</i> , 2005 , 3776-8	5.8	242
213	Upconversion-powered photoelectrochemistry. <i>Chemical Communications</i> , 2012 , 48, 209-11	5.8	235
212	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	6.4	234
211	Boron dipyrromethene chromophores: next generation triplet acceptors/annihilators for low power upconversion schemes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 16164-5	16.4	213
210	Room temperature phosphorescence from a platinum(II) diimine bis(pyrenylacetylde) complex. <i>Inorganic Chemistry</i> , 2003 , 42, 1394-6	5.1	185
209	Glucose sensor for low-cost lifetime-based sensing using a genetically engineered protein. <i>Analytical Biochemistry</i> , 1999 , 267, 114-20	3.1	181
208	Photochemical Upconversion: The Primacy of Kinetics. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 4068-72	7.2	180
207	High Efficiency Low-Power Upconverting Soft Materials. <i>Chemistry of Materials</i> , 2012 , 24, 2250-2252	9.6	167
206	Stark effects after excited-state interfacial electron transfer at sensitized TiO(2) nanocrystallites. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6696-709	16.4	162
205	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	2.8	162
204	New Ru(II) chromophores with extended excited-state lifetimes. <i>Inorganic Chemistry</i> , 2001 , 40, 4063-71	5.1	156

203	Influence of temperature on low-power upconversion in rubbery polymer blends. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12007-14	16.4	150
202	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, 5056-8	16.4	150
201	Long-Lived Photoinduced Charge Separation across Nanocrystalline TiO ₂ Interfaces. <i>Journal of the American Chemical Society</i> , 1995 , 117, 11815-11816	16.4	150
200	Triplet Sensitized Red-to-Blue Photon Upconversion. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 195-200	16.4	149
199	Photochemical upconversion: anthracene dimerization sensitized to visible light by a Rull chromophore. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5957-9	16.4	143
198	Catalytic proton reduction with transition metal complexes of the redox-active ligand bpy ₂ PYMe. <i>Chemical Science</i> , 2013 , 4, 3934	9.4	141
197	Accessing the triplet excited state in perylenediimides. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2766-7	16.4	140
196	Pd(II) phthalocyanine-sensitized triplet-triplet annihilation from rubrene. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 3550-6	2.8	140
195	Stibonium ions for the fluorescence turn-on sensing of F ⁻ in drinking water at parts per million concentrations. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15309-11	16.4	138
194	Light-Induced Charge Separation across Ru(II)-Modified Nanocrystalline TiO ₂ Interfaces with Phenothiazine Donors. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 2591-2597	3.4	137
193	Upconverted emission from pyrene and di-tert-butylpyrene using Ir(ppy) ₃ as triplet sensitizer. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 11440-5	2.8	137
192	Design of a long-lifetime, earth-abundant, aqueous compatible Cu(I) photosensitizer using cooperative steric effects. <i>Inorganic Chemistry</i> , 2013 , 52, 8114-20	5.1	135
191	Use of a long-lifetime Re(I) complex in fluorescence polarization immunoassays of high-molecular-weight analytes. <i>Analytical Chemistry</i> , 1998 , 70, 632-7	7.8	130
190	Boron dipyrromethene (Bodipy) phosphorescence revealed in [Ir(ppy) ₂ (bpy-C[triple bond]C-bodipy)] ⁺ . <i>Inorganic Chemistry</i> , 2010 , 49, 3730-6	5.1	129
189	Homogeneous photocatalytic hydrogen production using π -conjugated platinum(II) arylacetylide sensitizers. <i>Inorganic Chemistry</i> , 2011 , 50, 705-7	5.1	127
188	Robust cuprous phenanthroline sensitizer for solar hydrogen photocatalysis. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14068-70	16.4	124
187	Photodriven Electron and Energy Transfer from Copper Phenanthroline Excited States. <i>Inorganic Chemistry</i> , 1996 , 35, 6406-6412	5.1	123
186	Supramolecular-chromophore-sensitized near-infrared-to-visible photon upconversion. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14203-11	16.4	119

185	Electron and energy transfer from CuI MLCT excited states. <i>Coordination Chemistry Reviews</i> , 1998 , 171, 309-322	23.2	119
184	Excited State Processes in Ruthenium(II)/Pyrenyl Complexes Displaying Extended Lifetimes. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 8154-8161	2.8	118
183	Anti-Stokes delayed fluorescence from metal-organic bichromophores. <i>Chemical Communications</i> , 2004 , 2860-1	5.8	117
182	Advances in the light conversion properties of Cu(I)-based photosensitizers. <i>Polyhedron</i> , 2014 , 82, 57-70	2.7	116
181	Low power visible-to-UV upconversion. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 5912-7	2.8	116
180	Visible-light induced water detoxification catalyzed by Pt(II) dye sensitized titania. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12566-7	16.4	115
179	Excited-state absorption properties of platinum(II) terpyridyl acetylides. <i>Inorganic Chemistry</i> , 2007 , 46, 3038-48	5.1	115
178	Naphthalimide phosphorescence finally exposed in a platinum(II) diimine complex. <i>Inorganic Chemistry</i> , 2010 , 49, 6802-4	5.1	102
177	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	2.8	102
176	Thermally activated delayed photoluminescence from pyrenyl-functionalized CdSe quantum dots. <i>Nature Chemistry</i> , 2018 , 10, 225-230	17.6	101
175	Supra-nanosecond dynamics of a red-to-blue photon upconversion system. <i>Inorganic Chemistry</i> , 2009 , 48, 2541-8	5.1	88
174	Microarray pattern recognition based on Pt(II) terpyridyl chloride complexes: vapochromic and vapoluminescent response. <i>Chemical Communications</i> , 2008 , 6134-6	5.8	88
173	Ultrafast energy migration in platinum(II) diimine complexes bearing pyrenylacetylde chromophores. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 2465-71	2.8	88
172	Bidirectional "ping-pong" energy transfer and 3000-fold lifetime enhancement in a Re(I) charge transfer complex. <i>Inorganic Chemistry</i> , 2011 , 50, 7820-30	5.1	86
171	Long-lifetime Ru(II) complexes as labeling reagents for sulfhydryl groups. <i>Analytical Biochemistry</i> , 1998 , 255, 165-70	3.1	85
170	A long-lived, highly luminescent Re(I) metal-ligand complex as a biomolecular probe. <i>Analytical Biochemistry</i> , 1997 , 254, 179-86	3.1	84
169	Transient absorption dynamics of sterically congested Cu(I) MLCT excited states. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 3181-93	2.8	82
168	Photochemical upconversion approach to broad-band visible light generation. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 3906-10	2.8	80

167	Ruthenium(II) complex with a notably long excited state lifetime. <i>Chemical Communications</i> , 2000 , 2355-2356	33.6	80
166	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	16.4	79
165	Altering molecular photophysics by merging organic and inorganic chromophores. <i>Accounts of Chemical Research</i> , 2015 , 48, 828-39	24.3	79
164	Mechanisms of triplet energy transfer across the inorganic nanocrystal/organic molecule interface. <i>Nature Communications</i> , 2020 , 11, 28	17.4	79
163	Room temperature phosphorescence from ruthenium(II) complexes bearing conjugated pyrenylethynylene subunits. <i>Inorganic Chemistry</i> , 2004 , 43, 6083-92	5.1	78
162	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	9.4	77
161	On the Quantum Yield of Photon Upconversion via Triplet-Triplet Annihilation. <i>ACS Energy Letters</i> , 2020 , 5, 2322-2326	20.1	77
160	Charge-Transfer and Ligand-Localized Photophysics in Luminescent Cyclometalated Pyrazolate-Bridged Dinuclear Platinum(II) Complexes. <i>Organometallics</i> , 2013 , 32, 3819-3829	3.8	77
159	Improving the catalytic activity of semiconductor nanocrystals through selective domain etching. <i>Nano Letters</i> , 2013 , 13, 2016-23	11.5	77
158	Green photoluminescence from platinum(II) complexes bearing silylacetylide ligands. <i>Inorganic Chemistry</i> , 2005 , 44, 471-3	5.1	77
157	Photophysical Properties of Ruthenium Polypyridyl Photonic SiO ₂ Gels. <i>Chemistry of Materials</i> , 1994 , 6, 1041-1048	9.6	77
156	Metal-organic approach to binary optical memory. <i>Journal of the American Chemical Society</i> , 2002 , 124, 4562-3	16.4	76
155	Thermochromic absorption and photoluminescence in [Pt(ppy)(μ-Ph ₂ pz)] ₂ . <i>Inorganic Chemistry</i> , 2009 , 48, 10865-7	5.1	75
154	Platinum(II) diimine diacetylides: metallacyclization enhances photophysical properties. <i>Inorganic Chemistry</i> , 2006 , 45, 4304-6	5.1	75
153	Ligand localized triplet excited states in platinum(II) bipyridyl and terpyridyl peryleneacetylides. <i>Inorganic Chemistry</i> , 2008 , 47, 4348-55	5.1	73
152	Delayed fluorescence from a zirconium(IV) photosensitizer with ligand-to-metal charge-transfer excited states. <i>Nature Chemistry</i> , 2020 , 12, 345-352	17.6	72
151	Efficient Generation of Long-Lived Triplet Excitons in 2D Hybrid Perovskite. <i>Advanced Materials</i> , 2017 , 29, 1604278	24	69
150	A water-soluble luminescence oxygen sensor. <i>Photochemistry and Photobiology</i> , 1998 , 67, 179-83	3.6	68

- 149 Excited-state electron transfer from ruthenium-polypyridyl compounds to anatase TiO₂ nanocrystallites: evidence for a Stark effect. *Journal of Physical Chemistry B*, **2010**, 114, 14596-604 3.4 67
- 148 A fulleropyrrolidine end-capped platinum-acetylide triad: the mechanism of photoinduced charge transfer in organometallic photovoltaic cells. *Physical Chemistry Chemical Physics*, **2007**, 9, 2724-34 3.6 67
- 147 Light-Induced Charge Separation at Sensitized Solid Processed Semiconductors. *Chemistry of Materials*, **1997**, 9, 2341-2353 9.6 66
- 146 Delayed Molecular Triplet Generation from Energized Lead Sulfide Quantum Dots. *Journal of Physical Chemistry Letters*, **2017**, 8, 1458-1463 6.4 65
- 145 Transition metal complexes meet the rylene. *Dalton Transactions*, **2012**, 41, 8493-501 4.3 64
- 144 Annihilation limit of a visible-to-UV photon upconversion composition ascertained from transient absorption kinetics. *Journal of Physical Chemistry A*, **2013**, 117, 4412-9 2.8 63
- 143 Facile Room-Temperature Anion Exchange Reactions of Inorganic Perovskite Quantum Dots Enabled by a Modular Microfluidic Platform. *Advanced Functional Materials*, **2019**, 29, 1900712 15.6 62
- 142 Red-to-Blue/Cyan/Green Upconverting Microcapsules for Aqueous- and Dry-Phase Color Tuning and Magnetic Sorting. *ACS Photonics*, **2014**, 1, 382-388 6.3 62
- 141 Luminescent charge-transfer platinum(II) metallacycle. *Inorganic Chemistry*, **2007**, 46, 8771-83 5.1 62
- 140 Low-frequency modulation sensors using nanosecond fluorophores. *Analytical Chemistry*, **1998**, 70, 5115-21 7.2 62
- 139 Light-driven hydrogen evolution by BODIPY-sensitized cobaloxime catalysts. *Inorganic Chemistry*, **2014**, 53, 4527-34 5.1 61
- 138 Coherence in metal-metal-to-ligand-charge-transfer excited states of a dimetallic complex investigated by ultrafast transient absorption anisotropy. *Journal of Physical Chemistry A*, **2011**, 115, 3990-6 2.8 61
- 137 Triplet excited state distortions in a pyrazolate bridged platinum dimer measured by X-ray transient absorption spectroscopy. *Journal of Physical Chemistry A*, **2010**, 114, 12780-7 2.8 61
- 136 Evolution of the triplet excited state in Pt(II) perylenediimides. *Journal of Physical Chemistry A*, **2009**, 113, 5763-8 2.8 60
- 135 Light-Harvesting Arrays with Coumarin Donors and MLCT Acceptors. *Inorganic Chemistry*, **1999**, 38, 4382-4383 4.3 60
- 134 1-Pyrenyl- and 3-Perylenyl-antimony(V) Derivatives for the Fluorescence Turn-On Sensing of Fluoride Ions in Water at Sub-ppm Concentrations. *Organometallics*, **2016**, 35, 1854-1860 3.8 57
- 133 Mono- and dinuclear cationic iridium(III) complexes bearing a 2,5-dipyridylpyrazine (2,5-dpp) ligand. *Inorganic Chemistry*, **2013**, 52, 8495-504 5.1 56
- 132 First Generation Light-Harvesting Dendrimers with a [Ru(bpy)₃] Core and Aryl Ether Ligands Functionalized with Coumarin 450. *Angewandte Chemie - International Edition*, **2000**, 39, 4301-4305 16.4 56

131	Viable alternative to N719 for dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2039-45	9.5	55
130	Structure and Activity of Photochemically Deposited TiO ₂ /Oxygen Evolving Catalyst on Titania. <i>ACS Catalysis</i> , 2012 , 2, 2150-2160	13.1	53
129	Ligand-localized triplet-state photophysics in a platinum(II) terpyridyl perylene diimide acetylide. <i>Inorganic Chemistry</i> , 2012 , 51, 8589-98	5.1	53
128	Influence of a gold(I)-Acetylide subunit on the photophysics of Re(phen)(CO) ₃ Cl. <i>Inorganic Chemistry</i> , 2005 , 44, 3412-21	5.1	53
127	Slow cation transfer follows sensitizer regeneration at anatase TiO ₂ interfaces. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11586-7	16.4	52
126	Near-IR phosphorescent metalloporphyrin as a photochemical upconversion sensitizer. <i>Chemical Communications</i> , 2013 , 49, 7406-8	5.8	50
125	Realization of high-efficiency fluorescent organic light-emitting diodes with low driving voltage. <i>Nature Communications</i> , 2019 , 10, 2305	17.4	48
124	Creation of Metal-to-Ligand Charge Transfer Excited States with Two-Photon Excitation. <i>Inorganic Chemistry</i> , 1997 , 36, 5548-5551	5.1	48
123	Photochemical Upconversion: Anthracene Dimerization Sensitized to Visible Light by a Rull Chromophore. <i>Angewandte Chemie</i> , 2006 , 118, 6103-6105	3.6	47
122	Spectroscopic and excited-state properties of titanium dioxide gels. <i>Chemistry of Materials</i> , 1994 , 6, 2123-2129	3.8	47
121	Synthesis and photophysics of ruthenium(II) complexes with multiple pyrenylethynylene subunits. <i>New Journal of Chemistry</i> , 2003 , 27, 1679	3.6	44
120	Directed assembly of chiral organometallic squares that exhibit dual luminescence. <i>Chemical Communications</i> , 2003 , 2124-5	5.8	43
119	Orange-to-blue and red-to-green photon upconversion with a broadband absorbing copper(I) MLCT sensitizer. <i>Chemical Communications</i> , 2013 , 49, 3537-9	5.8	42
118	Effect of Polymer/Bullerene Interaction on the Dielectric Properties of the Blend. <i>Advanced Energy Materials</i> , 2017 , 7, 1601947	21.8	41
117	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, 543-50	2.8	41
116	Photochemically Reversible Luminescence Lifetime Switching in Metal/Organic Systems. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 10619-10622	2.8	40
115	Photodrive electron and energy transfer from a light-harvesting metallodendrimer. <i>Inorganic Chemistry</i> , 2002 , 41, 3578-86	5.1	38
114	Cuprous Phenanthroline MLCT Chromophore Featuring Synthetically Tailored Photophysics. <i>Inorganic Chemistry</i> , 2016 , 55, 10628-10636	5.1	38

113	Efficient Visible to Near-UV Photochemical Upconversion Sensitized by a Long Lifetime Cu(I) MLCT Complex. <i>Inorganic Chemistry</i> , 2015 , 54, 6035-42	5.1	37
112	Excited state equilibrium induced lifetime extension in a dinuclear platinum(II) complex. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 10391-9	2.8	37
111	Excited-state properties of heteroleptic iridium(III) complexes bearing aromatic hydrocarbons with extended cores. <i>Inorganic Chemistry</i> , 2011 , 50, 10859-71	5.1	37
110	Liquid PEG Polymers Containing Antioxidants: A Versatile Platform for Studying Oxygen-Sensitive Photochemical Processes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 24038-48	9.5	37
109	Intramolecular radiationless transitions dominate exciton relaxation dynamics. <i>Chemical Physics Letters</i> , 2014 , 599, 23-33	2.5	36
108	Nanocrystals For Triplet Sensitization: Molecular Behavior from Quantum-Confined Materials. <i>Inorganic Chemistry</i> , 2018 , 57, 2351-2359	5.1	35
107	Photocatalytic Activity of Core/Shell Semiconductor Nanocrystals Featuring Spatial Separation of Charges. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 22786-22793	3.8	34
106	Ultrafast excited state dynamics of Pt(II) chromophores bearing multiple infrared absorbers. <i>Inorganic Chemistry</i> , 2008 , 47, 6974-83	5.1	34
105	DNA dynamics observed with long lifetime metal-ligand complexes. <i>Biospectroscopy</i> , 1995 , 1, 163-168		34
104	Enhancing the Visible-Light Absorption and Excited-State Properties of Cu(I) MLCT Excited States. <i>Inorganic Chemistry</i> , 2018 , 57, 2296-2307	5.1	33
103	A long-lifetime Ru(II) metal-ligand complex as a membrane probe. <i>Biophysical Chemistry</i> , 1998 , 71, 51-62	3.5	33
102	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, 5642-9	2.8	32
101	Phosphorescent self-assembled Pt(II) tetranuclear metallocycles. <i>Chemical Communications</i> , 2011 , 47, 4397-9	5.8	32
100	Nonlinear photochemistry squared: quartic light power dependence realized in photon upconversion. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 9266-9	2.8	32
99	Long-Lifetime Metal-Ligand Complexes as Luminescent Probes for DNA. <i>Journal of Fluorescence</i> , 1997 , 7, 107-112	2.4	32
98	Solvent-induced configuration mixing and triplet excited state inversion exemplified in a Pt(II) complex. <i>Chemical Communications</i> , 2008 , 814-6	5.8	32
97	Photodriven Energy Transfer from Cuprous Phenanthroline Derivatives. <i>Inorganic Chemistry</i> , 1995 , 34, 3-4	5.1	32
96	Synthesis of bipyridine and terpyridine based ruthenium metallosynthons for grafting of multiple pyrene auxiliaries. <i>Tetrahedron Letters</i> , 2003 , 44, 8713-8716	2	31

95	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	3.8	30
94	Photophysics of the platinum(II) terpyridyl terpyridylacetylde platform and the influence of Fe(II) and Zn(II) coordination. <i>Inorganic Chemistry</i> , 2008 , 47, 6796-803	5.1	30
93	Excited-State Processes of Cyclometalated Platinum(II) Charge-Transfer Dimers Bridged by Hydroxypyridines. <i>Inorganic Chemistry</i> , 2018 , 57, 1298-1310	5.1	29
92	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, 8795-804 ^{5.1}	5.1	29
91	Sensing of 2,4,6-trinitrotoluene (TNT) and 2,4-dinitrotoluene (2,4-DNT) in the solid state with photoluminescent Ru(II) and Ir(III) complexes. <i>Chemistry - A European Journal</i> , 2015 , 21, 4056-64	4.8	29
90	Metal coordination induced π -extension and triplet state production in diketopyrrolopyrrole chromophores. <i>Inorganic Chemistry</i> , 2012 , 51, 7957-9	5.1	29
89	Near-Field Optical Addressing of Luminescent Photoswitchable Supramolecular Systems Embedded in Inert Polymer Matrices. <i>Nano Letters</i> , 2004 , 4, 835-839	11.5	29
88	MLCT sensitizers in photochemical upconversion: past, present, and potential future directions. <i>Dalton Transactions</i> , 2015 , 44, 17906-10	4.3	28
87	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	6.4	28
86	Spectroscopy and Photophysics in Cyclometalated Ru(II)Bis(bipyridyl) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 4004-4011	2.3	28
85	Excited state absorption properties of Pt(II) terpyridyl complexes bearing π -conjugated arylacetylides. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 14440-9	3.4	28
84	Exposing the Excited-State Equilibrium in an Ir(III) Bichromophore: A Combined Time Resolved Spectroscopy and Computational Study. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1808-1818 ^{2.3}	2.3	27
83	Energy Transfer Dynamics in Triplet-Triplet Annihilation Upconversion Using a Bichromophoric Heavy-Atom-Free Sensitizer. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 6673-6682	2.8	27
82	Texaphyrin sensitized near-IR-to-visible photon upconversion. <i>Photochemical and Photobiological Sciences</i> , 2014 , 13, 813-9	4.2	26
81	Materials Integrating Photochemical Upconversion. <i>Topics in Current Chemistry</i> , 2016 , 374, 19	7.2	26
80	Photochemical upconversion in water. <i>Chemical Communications</i> , 2017 , 53, 11705-11708	5.8	25
79	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, 7475-83	2.8	25
78	Long-lifetime Ru(II) complexes for the measurement of high molecular weight protein hydrodynamics. <i>BBA - Proteins and Proteomics</i> , 1998 , 1383, 151-9		25

77	Coherent Vibrational Wavepacket Dynamics in Platinum(II) Dimers and Their Implications. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14195-14204	3.8	24
76	[Pt(mesBIAN)(tda)]: a near-infrared emitter and singlet oxygen sensitizer. <i>Dalton Transactions</i> , 2009 , 3950-4	4.3	24
75	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	3.8	23
74	Photophysics in platinum(II) bipyridylacetylides. <i>Inorganic Chemistry</i> , 2009 , 48, 11533-42	5.1	22
73	Long-lifetime lipid rhenium metal-ligand complex for probing membrane dynamics on the microsecond timescale. <i>Chemistry and Physics of Lipids</i> , 1999 , 99, 1-9	3.7	22
72	Low power threshold photochemical upconversion using a zirconium(iv) LMCT photosensitizer. <i>Chemical Science</i> , 2021 , 12, 9069-9077	9.4	22
71	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	16.4	21
70	Ultrafast photoinduced electron transfer in viologen-linked BODIPY dyes. <i>ChemPhysChem</i> , 2013 , 14, 3348-54	3.2	21
69	Charge Recombination to Oxidized Iodide in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 20316-20325	3.8	20
68	Room temperature photoluminescence from [Pt(4'-C[triple bond]CR-tpy)Cl] ⁺ complexes. <i>Dalton Transactions</i> , 2007 , 4659-65	4.3	20
67	Two-photon excitation of rhenium metal-ligand complexes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999 , 122, 95-101	4.7	20
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