Felix Castellano

List of Publications by Year in Descending Order

243 papers	14,385 citations	69 h-index	111 g-index
263 ext. papers	15,680 ext. citations	7.2 avg, IF	6.96 L-index

#	Paper	IF	Citations
243	CsPbI 3 Nanocrystals Go with the Flow: From Formation Mechanism to Continuous Nanomanufacturing (Adv. Funct. Mater. 6/2022). *Advanced Functional Materials*, **2022**, 32, 2270039	15.6	
242	Photophysics **2022**, 9-28		
241	Copper(II)-photocatalyzed decarboxylative oxygenation of carboxylic acids.. *Chemical Communications*, **2022**,	5.8	5
240	Engineering Long-Lived Blue Photoluminescence from InP Quantum Dots Using Isomers of Naphthoic Acid.. *Journal of the American Chemical Society*, **2022**,	16.4	3
239	Thermally Activated Bright-State Delayed Blue Photoluminescence from InP Quantum Dots.. *Journal of Physical Chemistry Letters*, **2022**, 3706-3711	6.4	
238	A biohybrid strategy for enabling photoredox catalysis with low-energy light. *CheM*, **2021**,	16.2	6
237	Understanding the influence of geometric and electronic structure on the excited state dynamical and photoredox properties of perinone chromophores. *Physical Chemistry Chemical Physics*, **2021**, 23, 24200-24210	3.6	2
236	General Design Rules for Bimetallic Platinum(II) Complexes. *Journal of Physical Chemistry A*, **2021**, 125, 9438-9449	2.8	2
235	Shallow distance-dependent triplet energy migration mediated by endothermic charge-transfer. *Nature Communications*, **2021**, 12, 1532	17.4	14
234	Controlling Thermally Activated Delayed Photoluminescence in CdSe Quantum Dots through Triplet Acceptor Surface Coverage. *Journal of Physical Chemistry Letters*, **2021**, 12, 3718-3723	6.4	11
233	Next Generation Cuprous Phenanthroline MLCT Photosensitizer Featuring Cyclohexyl Substituents. *Inorganic Chemistry*, **2021**, 60, 8394-8403	5.1	4
232	Ultrafast Excited-State Dynamics of Photoluminescent Pt(II) Dimers Probed by a Coherent Vibrational Wavepacket. *Journal of Physical Chemistry Letters*, **2021**, 12, 6794-6803	6.4	9
231	Accessing the triplet manifold of naphthalene benzimidazole-phenanthroline in rhenium(I) bichromophores. *Dalton Transactions*, **2021**, 50, 13086-13095	4.3	1
230	Low power threshold photochemical upconversion using a zirconium(iv) LMCT photosensitizer. *Chemical Science*, **2021**, 12, 9069-9077	9.4	22
229	Passivation of Electron Trap States in InP Quantum Dots with Benzoic Acid Ligands. *Journal of Physical Chemistry C*, **2021**, 125, 18362-18371	3.8	7
228	Photodriven Elimination of Chlorine From Germanium and Platinum in a Dinuclear PtII-GeIV Complex. *Angewandte Chemie*, **2021**, 133, 22526-22532	3.6	0
227	Photodriven Elimination of Chlorine From Germanium and Platinum in a Dinuclear Pt -Ge Complex. *Angewandte Chemie - International Edition*, **2021**, 60, 22352-22358	16.4	1

226	Excited-State Bond Contraction and Charge Migration in a Platinum Dimer Complex Characterized by X-ray and Optical Transient Absorption Spectroscopy. *Journal of Physical Chemistry A*, **2021**, 125, 8891-8898	2.8	2
225	Continuous biphasic chemical processes in a four-phase segmented flow reactor. *Reaction Chemistry and Engineering*, **2021**, 6, 1367-1375	4.9	2
224	Photochemical Upconversion in Water Using Cu(I) MLCT Excited States: Role of Energy Shuttling at the Micellar/Water Interface. *ACS Applied Energy Materials*, **2020**, 3, 12557-12564	6.1	2
223	Vibronic and excitonic dynamics in perylenediimide dimers and tetramer. *Journal of Chemical Physics*, **2020**, 153, 224101	3.9	2
222	TIPS-pentacene triplet exciton generation on PbS quantum dots results from indirect sensitization. *Chemical Science*, **2020**, 11, 5690-5696	9.4	13
221	Energy Migration Processes in Re(I) MLCT Complexes Featuring a Chromophoric Ancillary Ligand. *Inorganic Chemistry*, **2020**, 59, 8259-8271	5.1	3
220	Visible-Light-Driven Triplet Sensitization of Polycyclic Aromatic Hydrocarbons Using Thionated Perinones. *Journal of Physical Chemistry Letters*, **2020**, 11, 5092-5099	6.4	13
219	On the Quantum Yield of Photon Upconversion via Triplet□Triplet Annihilation. *ACS Energy Letters*, **2020**, 5, 2322-2326	20.1	77
218	Thermally Activated Delayed Photoluminescence: Deterministic Control of Excited-State Decay. *Journal of the American Chemical Society*, **2020**, 142, 10883-10893	16.4	17
217	Direct Evidence of Visible Light-Induced Homolysis in Chlorobis(2,9-dimethyl-1,10-phenanthroline)copper(II). *Journal of Physical Chemistry Letters*, **2020**, 11, 5345-5349	6.4	28
216	Delayed fluorescence from a zirconium(IV) photosensitizer with ligand-to-metal charge-transfer excited states. *Nature Chemistry*, **2020**, 12, 345-352	17.6	72
215	d-d Excited States of Ni(II) Complexes Relevant to Photoredox Catalysis: Spectroscopic Identification and Mechanistic Implications. *Journal of the American Chemical Society*, **2020**, 142, 5800-5810	16.4	79
214	Ligand-triplet migration in iridium(iii) cyclometalates featuring □conjugated isocyanide ligands. *Dalton Transactions*, **2020**, 49, 9995-10002	4.3	5
213	A Robust Visible-Light-Harvesting Cyclometalated Ir(III) Diimine Sensitizer for Homogeneous Photocatalytic Hydrogen Production. *ACS Applied Energy Materials*, **2020**, 3, 1842-1853	6.1	17
212	Towards radiation detection using Cs2AgBiBr6 double perovskite single crystals. *Materials Letters*, **2020**, 269, 127667	3.3	22
211	Fast X-ray detectors based on bulk □Ga2O3 (Fe). *Journal of Materials Science*, **2020**, 55, 9461-9469	4.3	11
210	Mechanisms of triplet energy transfer across the inorganic nanocrystal/organic molecule interface. *Nature Communications*, **2020**, 11, 28	17.4	79
209	Photophysics and ultrafast processes in rhenium(I) diimine dicarbonyls. *Dalton Transactions*, **2020**, 49, 11565-11576	4.3	5

208	Visible-Light-Initiated Free-Radical Polymerization by Homomolecular Triplet-Triplet Annihilation. *CheM*, **2020**, 6, 3071-3085	16.2	19
207	Controllable solute-diffusion gel-growth of BCHT: an effective approach towards large functional material single crystal synthesis. *CrystEngComm*, **2020**, 22, 5954-5960	3.3	0
206	Resolving the ultrafast intersystem crossing in a bimetallic platinum complex. *Journal of Chemical Physics*, **2019**, 151, 114303	3.9	13
205	Low temperature cathodoluminescence study of Fe-doped Ga2O3. *Materials Letters*, **2019**, 257, 126744	3.3	14
204	Realization of high-efficiency fluorescent organic light-emitting diodes with low driving voltage. *Nature Communications*, **2019**, 10, 2305	17.4	48
203	Photophysical Processes in Rhenium(I) Diiminetricarbonyl Arylisocyanides Featuring Three Interacting Triplet Excited States. *Inorganic Chemistry*, **2019**, 58, 8750-8762	5.1	17
202	Perovskite Quantum Dots: Facile Room-Temperature Anion Exchange Reactions of Inorganic Perovskite Quantum Dots Enabled by a Modular Microfluidic Platform (Adv. Funct. Mater. 23/2019). *Advanced Functional Materials*, **2019**, 29, 1970157	15.6	2
201	Degradation Mechanism in Cu(In,Ga)Se2 Material and Solar Cells Due to Moisture and Heat Treatment of the Absorber Layer. *IEEE Journal of Photovoltaics*, **2019**, 9, 1138-1143	3.7	3
200	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
199	Excited-State Triplet Equilibria in a Series of Re(I)-Naphthalimide Bichromophores. *Journal of Physical Chemistry B*, **2019**, 123, 7611-7627	3.4	14
198	Optical and electrical properties of all-inorganic CsAgBiBr double perovskite single crystals.. *RSC Advances*, **2019**, 9, 23459-23464	3.7	15
197	Analysis of Recombination Mechanisms in RbF-Treated CIGS Solar Cells. *IEEE Journal of Photovoltaics*, **2019**, 9, 313-318	3.7	23
196	Positional Effects from Bonded Platinum(II) on Intersystem Crossing Rates in Perylenediimide Complexes: Synthesis, Structures, and Photophysical Properties. *Journal of Physical Chemistry C*, **2018**, 122, 13848-13862	3.8	13
195	Ultrafast Dynamics of the Metal-to-Ligand Charge Transfer Excited States of Ir(III) Proteo and Deutero Dihydrides. *Journal of Physical Chemistry A*, **2018**, 122, 4430-4436	2.8	5
194	Role of Vibrational Dynamics on Excited-State Electronic Coherence in a Binuclear Platinum Complex. *Journal of Physical Chemistry A*, **2018**, 122, 5071-5077	2.8	8
193	Enhancing the Visible-Light Absorption and Excited-State Properties of Cu(I) MLCT Excited States. *Inorganic Chemistry*, **2018**, 57, 2296-2307	5.1	33
192	Excited-State Processes of Cyclometalated Platinum(II) Charge-Transfer Dimers Bridged by Hydroxypyridines. *Inorganic Chemistry*, **2018**, 57, 1298-1310	5.1	29
191	Nanocrystals for Triplet Sensitization: Molecular Behavior from Quantum-Confined Materials. *Inorganic Chemistry*, **2018**, 57, 2351-2359	5.1	35

190	Diastereomerically Differentiated Excited State Behavior in Ruthenium(II) Hexafluoroacetylacetonate Complexes of Diphenyl Thioindigo Diimine. *Inorganic Chemistry*, **2018**, 57, 1386-1397	5.1	8
189	Thermally activated delayed photoluminescence from pyrenyl-functionalized CdSe quantum dots. *Nature Chemistry*, **2018**, 10, 225-230	17.6	101
188	Coherent Vibrational Wavepacket Dynamics in Platinum(II) Dimers and Their Implications. *Journal of Physical Chemistry C*, **2018**, 122, 14195-14204	3.8	24
187	Energy Transfer Dynamics in Triplet-Triplet Annihilation Upconversion Using a Bichromophoric Heavy-Atom-Free Sensitizer. *Journal of Physical Chemistry A*, **2018**, 122, 6673-6682	2.8	27
186	Special Section Guest Editorial: Spectral Management for Renewable Energy Conversion. *Journal of Photonics for Energy*, **2018**, 8, 1	1.2	
185	Long-lived triplet excited state in a platinum(ii) perylene monoimide complex. *Dalton Transactions*, **2018**, 47, 15071-15081	4.3	10
184	Bathophenanthroline Disulfonate Ligand-Induced Self-Assembly of Ir(III) Complexes in Water: An Intriguing Class of Photoluminescent Soft Materials. *ACS Omega*, **2018**, 3, 14027-14038	3.9	0
183	Excited-State Switching between Ligand-Centered and Charge Transfer Modulated by Metal-Carbon Bonds in Cyclopentadienyl Iridium Complexes. *Inorganic Chemistry*, **2018**, 57, 15445-15461	5.1	10
182	Temperature dependence of photophysical properties of a dinuclear C^N-cyclometalated Pt(ii) complex with an intimate Pt-Pt contact. Zero-field splitting and sub-state decay rates of the lowest triplet. *Physical Chemistry Chemical Physics*, **2018**, 20, 25096-25104	3.6	9
181	Effect of Polymer–Fullerene Interaction on the Dielectric Properties of the Blend. *Advanced Energy Materials*, **2017**, 7, 1601947	21.8	41
180	Archetypal Iridium(III) Compounds for Optoelectronic and Photonic Applications **2017**, 1-69		22
179	Can Excited State Electronic Coherence Be Tuned via Molecular Structural Modification? A First-Principles Quantum Electronic Dynamics Study of Pyrazolate-Bridged Pt(II) Dimers. *Journal of Physical Chemistry A*, **2017**, 121, 1932-1939	2.8	12
178	Photoinduced structural distortions and singlet-triplet intersystem crossing in Cu(i) MLCT excited states monitored by optically gated fluorescence spectroscopy. *Physical Chemistry Chemical Physics*, **2017**, 19, 16662-16668	3.6	11
177	Charge Localization after Ultrafast Photoexcitation of a Rigid Perylene Perylenediimide Dyad Visualized by Transient Stark Effect. *Journal of the American Chemical Society*, **2017**, 139, 5530-5537	16.4	21
176	Delayed Molecular Triplet Generation from Energized Lead Sulfide Quantum Dots. *Journal of Physical Chemistry Letters*, **2017**, 8, 1458-1463	6.4	65
175	Efficient Generation of Long-Lived Triplet Excitons in 2D Hybrid Perovskite. *Advanced Materials*, **2017**, 29, 1604278	24	69
174	Photochemical upconversion in water. *Chemical Communications*, **2017**, 53, 11705-11708	5.8	25
173	Efficient Phosphorescence from Naphthalenebenzimidizole-Coordinated Iridium(III) Chromophores. *European Journal of Inorganic Chemistry*, **2017**, 2017, 5238-5245	2.3	10

172	Tuning interfacial spin filters from metallic to resistive within a single organic semiconductor family. *Physical Review B*, **2017**, 95,	3.3	6
171	Restricted Photoinduced Conformational Change in the Cu(I) Complex for Sensing Mechanical Properties. *ACS Macro Letters*, **2017**, 6, 920-924	6.6	8
170	Butterfly Deformation Modes in a Photoexcited Pyrazolate-Bridged Pt Complex Measured by Time-Resolved X-Ray Scattering in Solution. *Journal of Physical Chemistry A*, **2016**, 120, 7475-83	2.8	25
169	Homogeneous Photocatalytic H Production Using a Ru Bathophenanthroline Metal-to-Ligand Charge-Transfer Photosensitizer. *ChemPlusChem*, **2016**, 81, 1016	2.8	1
168	Exposing the Excited-State Equilibrium in an IrIII Bichromophore: A Combined Time Resolved Spectroscopy and Computational Study. *European Journal of Inorganic Chemistry*, **2016**, 2016, 1808-1818	2.3	27
167	Direct observation of triplet energy transfer from semiconductor nanocrystals. *Science*, **2016**, 351, 369-72	33.3	275
166	Tunable Excited-State Properties and Dynamics as a Function of Pt-Pt Distance in Pyrazolate-Bridged Pt(II) Dimers. *Journal of Physical Chemistry A*, **2016**, 120, 543-50	2.8	41
165	Homogeneous Photocatalytic H Production Using a Ru Bathophenanthroline Metal-to-Ligand Charge-Transfer Photosensitizer. *ChemPlusChem*, **2016**, 81, 1090-1097	2.8	18
164	Editorial for the ACS Select Virtual Issue on Emerging Investigators in Inorganic Photochemistry and Photophysics. *Inorganic Chemistry*, **2016**, 55, 12483-12487	5.1	1
163	Materials Integrating Photochemical Upconversion. *Topics in Current Chemistry*, **2016**, 374, 19	7.2	26
162	Enhanced photophysics from self-assembled cyclometalated Ir(iii) complexes in water. *Chemical Communications*, **2016**, 52, 7846-9	5.8	14
161	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
160	Cuprous Phenanthroline MLCT Chromophore Featuring Synthetically Tailored Photophysics. *Inorganic Chemistry*, **2016**, 55, 10628-10636	5.1	38
159	Liquid PEG Polymers Containing Antioxidants: A Versatile Platform for Studying Oxygen-Sensitive Photochemical Processes. *ACS Applied Materials & Interfaces*, **2016**, 8, 24038-48	9.5	37
158	Photochemical upconversion and triplet annihilation limit from a boron dipyrromethene emitter. *Photochemical and Photobiological Sciences*, **2015**, 14, 1265-70	4.2	11
157	Parallelization of photocatalytic gas-producing reactions. *Review of Scientific Instruments*, **2015**, 86, 034101	1.7	6
156	Transient absorption dynamics of sterically congested Cu(I) MLCT excited states. *Journal of Physical Chemistry A*, **2015**, 119, 3181-93	2.8	82
155	Near-Infrared-to-Visible Photon Upconversion Enabled by Conjugated Porphyrinic Sensitizers under Low-Power Noncoherent Illumination. *Journal of Physical Chemistry A*, **2015**, 119, 5642-9	2.8	32

154	MLCT sensitizers in photochemical upconversion: past, present, and potential future directions. *Dalton Transactions*, **2015**, 44, 17906-10	4.3	28
153	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. *Chemical Science*, **2015**, 6, 4954-4972	9.4	77
152	Tetrahedral rigid core antenna chromophores bearing bay-substituted perylenediimides. *Tetrahedron*, **2015**, 71, 9519-9527	2.4	10
151	Efficient Visible to Near-UV Photochemical Upconversion Sensitized by a Long Lifetime Cu(I) MLCT Complex. *Inorganic Chemistry*, **2015**, 54, 6035-42	5.1	37
150	Photon upconversion sensitized by a Ru(II)-pyrenyl chromophore. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2015**, 373,	3	6
149	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. *Chemistry - A European Journal*, **2015**, 21, 4056-64	4.8	29
148	Altering molecular photophysics by merging organic and inorganic chromophores. *Accounts of Chemical Research*, **2015**, 48, 828-39	24.3	79
147	Intramolecular radiationless transitions dominate exciton relaxation dynamics. *Chemical Physics Letters*, **2014**, 599, 23-33	2.5	36
146	Light-driven hydrogen evolution by BODIPY-sensitized cobaloxime catalysts. *Inorganic Chemistry*, **2014**, 53, 4527-34	5.1	61
145	Texaphyrin sensitized near-IR-to-visible photon upconversion. *Photochemical and Photobiological Sciences*, **2014**, 13, 813-9	4.2	26
144	Advances in the light conversion properties of Cu(I)-based photosensitizers. *Polyhedron*, **2014**, 82, 57-70	2.7	116
143	Photochemical Upconversion: The Primacy of Kinetics. *Journal of Physical Chemistry Letters*, **2014**, 5, 4068-72	8.4	180
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	Towards a comprehensive understanding of visible-light photogeneration of hydrogen from water using cobalt(II) polypyridyl catalysts. *Energy and Environmental Science*, **2014**, 7, 1477-1488	35.4	170
140	Excited state equilibrium induced lifetime extension in a dinuclear platinum(II) complex. *Journal of Physical Chemistry A*, **2014**, 118, 10391-9	2.8	37
139	Triplet state formation in homo- and heterometallic diketopyrrolopyrrole chromophores. *Inorganic Chemistry*, **2014**, 53, 12564-71	5.1	13
138	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
137	Charge-Transfer and Ligand-Localized Photophysics in Luminescent Cyclometalated Pyrazolate-Bridged Dinuclear Platinum(II) Complexes. *Organometallics*, **2013**, 32, 3819-3829	3.8	77

136	Tracking of tuning effects in bis-cyclometalated iridium complexes: a combined time resolved infrared spectroscopy, electrochemical, and computational study. *Inorganic Chemistry*, **2013**, 52, 8795-804	5.1	29
135	Ranking solvent interactions and dielectric constants with [Pt(mesBIAN)(tda)]: A cautionary tale for polarity determinations in ionic liquids. *ChemPhysChem*, **2013**, 14, 1025-30	3.2	9
134	Catalytic proton reduction with transition metal complexes of the redox-active ligand bpy2PYMe. *Chemical Science*, **2013**, 4, 3934	9.4	141
133	Ultrafast photoinduced electron transfer in viologen-linked BODIPY dyes. *ChemPhysChem*, **2013**, 14, 3348-54	3.2	21
132	Structural refinement of ladder-type perylenediimide dimers: a classical tale of conformational dynamics. *Journal of Organic Chemistry*, **2013**, 78, 8634-44	4.2	13
131	Robust cuprous phenanthroline sensitizer for solar hydrogen photocatalysis. *Journal of the American Chemical Society*, **2013**, 135, 14068-70	16.4	124
130	Near-IR phosphorescent metalloporphyrin as a photochemical upconversion sensitizer. *Chemical Communications*, **2013**, 49, 7406-8	5.8	50
129	Diarylpyrenes vs. diaryltetrahydropyrenes: Crystal structures, fluorescence, and upconversion photochemistry. *Journal of Photochemistry and Photobiology A: Chemistry*, **2013**, 272, 49-57	4.7	12
128	Photochemical Upconversion: A Physical or Inorganic Chemistry Experiment for Undergraduates Using a Conventional Fluorimeter. *Journal of Chemical Education*, **2013**, 90, 786-789	2.4	10
127	Toward organic photohydrides: excited-state behavior of 10-methyl-9-phenyl-9,10-dihydroacridine. *Journal of Physical Chemistry B*, **2013**, 117, 15290-6	3.4	15
126	Design of a long-lifetime, earth-abundant, aqueous compatible Cu(I) photosensitizer using cooperative steric effects. *Inorganic Chemistry*, **2013**, 52, 8114-20	5.1	135
125	Improving the catalytic activity of semiconductor nanocrystals through selective domain etching. *Nano Letters*, **2013**, 13, 2016-23	11.5	77
124	Orange-to-blue and red-to-green photon upconversion with a broadband absorbing copper(I) MLCT sensitizer. *Chemical Communications*, **2013**, 49, 3537-9	5.8	42
123	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
122	Getting to the (Square) Root of the Problem: How to Make Noncoherent Pumped Upconversion Linear. *Journal of Physical Chemistry Letters*, **2012**, 3, 299-303	6.4	234
121	Photocatalytic Hydrogen Production at Titania-Supported Pt Nanoclusters That Are Derived from Surface-Anchored Molecular Precursors. *Journal of Physical Chemistry C*, **2012**, 116, 1429-1438	3.8	30
120	Photocatalytic Activity of Core/Shell Semiconductor Nanocrystals Featuring Spatial Separation of Charges. *Journal of Physical Chemistry C*, **2012**, 116, 22786-22793	3.8	34
119	Structure and Activity of Photochemically Deposited □CoPi□ Oxygen Evolving Catalyst on Titania. *ACS Catalysis*, **2012**, 2, 2150-2160	13.1	53

118	Dondorff rings: synthesis, isolation, and properties of 60°-directed bisterpyridine-based folded tetramers. *Chemistry - A European Journal*, **2012**, 18, 11569-72	4.8	29
117	Back Cover: Dondorff Rings: Synthesis, Isolation, and Properties of 60°-Directed Bisterpyridine-Based Folded Tetramers (Chem. Eur. J. 37/2012). *Chemistry - A European Journal*, **2012**, 18, 11840-11840	4.8	
116	Upconversion-powered photoelectrochemistry. *Chemical Communications*, **2012**, 48, 209-11	5.8	235
115	Stibonium ions for the fluorescence turn-on sensing of F- in drinking water at parts per million concentrations. *Journal of the American Chemical Society*, **2012**, 134, 15309-11	16.4	138
114	Metal coordination induced π-extension and triplet state production in diketopyrrolopyrrole chromophores. *Inorganic Chemistry*, **2012**, 51, 7957-9	5.1	29
113	Ligand-localized triplet-state photophysics in a platinum(II) terpyridyl perylenediimideacetylide. *Inorganic Chemistry*, **2012**, 51, 8589-98	5.1	53
112	Spectroscopy and Photophysics in Cyclometalated RuIIBis(bipyridyl) Complexes. *European Journal of Inorganic Chemistry*, **2012**, 2012, 4004-4011	2.3	28
111	Transition metal complexes meet the rylenes. *Dalton Transactions*, **2012**, 41, 8493-501	4.3	64
110	High Efficiency Low-Power Upconverting Soft Materials. *Chemistry of Materials*, **2012**, 24, 2250-2252	9.6	167
109	Dye-sensitized photovoltaic properties of hydrothermally prepared TiO2 nanotubes. *Energy and Environmental Science*, **2011**, 4, 998	35.4	47
108	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
107	Excited-state properties of heteroleptic iridium(III) complexes bearing aromatic hydrocarbons with extended cores. *Inorganic Chemistry*, **2011**, 50, 10859-71	5.1	37
106	Phosphorescent self-assembled Pt(II) tetranuclear metallocycles. *Chemical Communications*, **2011**, 47, 4397-9	5.8	32
105	Homogeneous photocatalytic hydrogen production using π-conjugated platinum(II) arylacetylide sensitizers. *Inorganic Chemistry*, **2011**, 50, 705-7	5.1	127
104	Synthesis and characterization of tris(heteroleptic) Ru(II) complexes bearing styryl subunits. *Inorganic Chemistry*, **2011**, 50, 9714-27	5.1	18
103	Carbazole donor and carbazole or bithiophene bridged sensitizers for dye-sensitized solar cells. *Journal of Photochemistry and Photobiology A: Chemistry*, **2011**, 223, 57-64	4.7	16
102	Charge Recombination to Oxidized Iodide in Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2011**, 115, 20316-20325	3.8	20
101	Bidirectional "ping-pong" energy transfer and 3000-fold lifetime enhancement in a Re(I) charge transfer complex. *Inorganic Chemistry*, **2011**, 50, 7820-30	5.1	86

100	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
99	Viable alternative to N719 for dye-sensitized solar cells. *ACS Applied Materials & Interfaces*, **2010**, 2, 2039-45	9.5	55
98	Supermolecular-chromophore-sensitized near-infrared-to-visible photon upconversion. *Journal of the American Chemical Society*, **2010**, 132, 14203-11	16.4	119
97	Naphthalimide phosphorescence finally exposed in a platinum(II) diimine complex. *Inorganic Chemistry*, **2010**, 49, 6802-4	5.1	102
96	Electrolyte-Dependent Photovoltaic Responses in Dye-Sensitized Solar Cells Based on an Osmium(II) Dye of Mixed Denticity. *Journal of Physical Chemistry C*, **2010**, 114, 6831-6840	3.8	23
95	Excited state absorption properties of Pt(II) terpyridyl complexes bearing □conjugated arylacetylides. *Journal of Physical Chemistry B*, **2010**, 114, 14440-9	3.4	28
94	Stark effects after excited-state interfacial electron transfer at sensitized TiO(2) nanocrystallites. *Journal of the American Chemical Society*, **2010**, 132, 6696-709	16.4	162
93	Triplet Sensitized Red-to-Blue Photon Upconversion. *Journal of Physical Chemistry Letters*, **2010**, 1, 195-200	6.4	149
92	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
91	Boron dipyrromethene (Bodipy) phosphorescence revealed in [Ir(ppy)(2)(bpy-C[triple bond]C-bodipy)](+). *Inorganic Chemistry*, **2010**, 49, 3730-6	5.1	129
90	Controlled microwave synthesis of RuII synthons and chromophores relevant to solar energy conversion. *Inorganica Chimica Acta*, **2010**, 363, 283-287	2.7	17
89	Photon upconversion based on sensitized triplet□triplet annihilation. *Coordination Chemistry Reviews*, **2010**, 254, 2560-2573	23.2	971
88	Low power visible-to-UV upconversion. *Journal of Physical Chemistry A*, **2009**, 113, 5912-7	2.8	116
87	Photophysics in platinum(II) bipyridylacetylides. *Inorganic Chemistry*, **2009**, 48, 11533-42	5.1	22
86	Evolution of the triplet excited state in Pt(II) perylenediimides. *Journal of Physical Chemistry A*, **2009**, 113, 5763-8	2.8	60
85	Influence of temperature on low-power upconversion in rubbery polymer blends. *Journal of the American Chemical Society*, **2009**, 131, 12007-14	16.4	150
84	Nonlinear photochemistry squared: quartic light power dependence realized in photon upconversion. *Journal of Physical Chemistry A*, **2009**, 113, 9266-9	2.8	32
83	Thermochromic absorption and photoluminescence in [Pt(ppy)(mu-Ph2pz)]2. *Inorganic Chemistry*, **2009**, 48, 10865-7	5.1	75

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