

Felix Castellano

List of Publications by Year in descending order

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252
papers

17,067
citations

9786

73
h-index

18130

120
g-index

263
all docs

263
docs citations

263
times ranked

11904
citing authors

#	ARTICLE	IF	CITATIONS
1	Photon upconversion based on sensitized triplet-triplet annihilation. <i>Coordination Chemistry Reviews</i> , 2010, 254, 2560-2573.	18.8	1,198
2	Luminescence Lifetime-Based Sensor for Cyanide and Related Anions. <i>Journal of the American Chemical Society</i> , 2002, 124, 6232-6233.	13.7	436
3	Enhanced Spectral Sensitivity from Ruthenium(II) Polypyridyl Based Photovoltaic Devices. <i>Inorganic Chemistry</i> , 1994, 33, 5741-5749.	4.0	351
4	Direct observation of triplet energy transfer from semiconductor nanocrystals. <i>Science</i> , 2016, 351, 369-372.	12.6	336
5	Noncoherent Low-Power Upconversion in Solid Polymer Films. <i>Journal of the American Chemical Society</i> , 2007, 129, 12652-12653.	13.7	297
6	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
7	Low power upconversion using MLCT sensitizers. <i>Chemical Communications</i> , 2005, , 3776.	4.1	267
8	Photophysics in bipyridyl and terpyridyl platinum(II) acetylides. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1819-1828.	18.8	265
9	Upconversion-powered photoelectrochemistry. <i>Chemical Communications</i> , 2012, 48, 209-211.	4.1	261
10	Photochemical Upconversion: The Primacy of Kinetics. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 4062-4072.	4.6	229
11	Boron Dipyrromethene 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
12	Towards a comprehensive understanding of visible-light photogeneration of hydrogen from water using cobalt(II) polypyridyl catalysts. <i>Energy and Environmental Science</i> , 2014, 7, 1477-1488.	30.8	200
13	Glucose Sensor for Low-Cost Lifetime-Based Sensing Using a Genetically Engineered Protein. <i>Analytical Biochemistry</i> , 1999, 267, 114-120.	2.4	196
14	Room Temperature Phosphorescence from a Platinum(II) Diimine Bis(pyrenylacetylde) Complex. <i>Inorganic Chemistry</i> , 2003, 42, 1394-1396.	4.0	194
15	High Efficiency Low-Power Upconverting Soft Materials. <i>Chemistry of Materials</i> , 2012, 24, 2250-2252.	6.7	184
16	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
17	New Ru(II) Chromophores with Extended Excited-State Lifetimes. <i>Inorganic Chemistry</i> , 2001, 40, 4063-4071.	4.0	176
18	Stark Effects after Excited-State Interfacial Electron Transfer at Sensitized TiO ₂ Nanocrystallites. <i>Journal of the American Chemical Society</i> , 2010, 132, 6696-6709.	13.7	171

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19	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
20	³ 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
21	Catalytic proton reduction with transition metal complexes of the redox-active ligand bpy2PYMe. <i>Chemical Science</i> , 2013, 4, 3934.	7.4	166
22	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
23	Triplet Sensitized Red-to-Blue Photon Upconversion. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 195-200.	4.6	163
24	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
25	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
26	Upconverted Emission from Pyrene and Di-tert-butylpyrene Using Ir(ppy) ₃ as Triplet Sensitizer. <i>Journal of Physical Chemistry A</i> , 2006, 110, 11440-11445.	2.5	159
27	Accessing the Triplet Excited State in Perylenediimides. <i>Journal of the American Chemical Society</i> , 2008, 130, 2766-2767.	13.7	158
28	Pd(II) Phthalocyanine-Sensitized Triplet-Triplet Annihilation from Rubrene. <i>Journal of Physical Chemistry A</i> , 2008, 112, 3550-3556.	2.5	156
29	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, 15309-15311.	13.7	156
30	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.	2.6	149
31	Robust Cuprous Phenanthroline Sensitizer for Solar Hydrogen Photocatalysis. <i>Journal of the American Chemical Society</i> , 2013, 135, 14068-14070.	13.7	149
32	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
33	Advances in the light conversion properties of Cu(I)-based photosensitizers. <i>Polyhedron</i> , 2014, 82, 57-70.	2.2	143
34	Photodriven Electron and Energy Transfer from Copper Phenanthroline Excited States. <i>Inorganic Chemistry</i> , 1996, 35, 6406-6412.	4.0	142
35	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
36	Boron Dipyrromethene (Bodipy) Phosphorescence Revealed in [Ir(ppy) ₂ (bpy-C ₆₀ -Bodipy)] ⁺ . <i>Inorganic Chemistry</i> , 2010, 49, 3730-3736.	4.0	138

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37	Homogeneous Photocatalytic Hydrogen Production Using η^6 -Conjugated Platinum(II) Arylacetylide Sensitizers. <i>Inorganic Chemistry</i> , 2011, 50, 705-707.	4.0	138
38	On the Quantum Yield of Photon Upconversion via Triplet-Triplet Annihilation. <i>ACS Energy Letters</i> , 2020, 5, 2322-2326.	17.4	137
39	Low Power Visible-to-UV Upconversion. <i>Journal of Physical Chemistry A</i> , 2009, 113, 5912-5917.	2.5	135
40	Electron and energy transfer from CuI MLCT excited states. <i>Coordination Chemistry Reviews</i> , 1998, 171, 309-322.	18.8	134
41	Anti-Stokes delayed fluorescence from metal-organic bichromophores. <i>Chemical Communications</i> , 2004, , 2860-2861.	4.1	132
42	Supermolecular-Chromophore-Sensitized Near-Infrared-to-Visible Photon Upconversion. <i>Journal of the American Chemical Society</i> , 2010, 132, 14203-14211.	13.7	131
43	Thermally activated delayed photoluminescence from pyrenyl-functionalized CdSe quantum dots. <i>Nature Chemistry</i> , 2018, 10, 225-230.	13.6	129
44	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
45	Mechanisms of triplet energy transfer across the inorganic nanocrystal/organic molecule interface. <i>Nature Communications</i> , 2020, 11, 28.	12.8	127
46	Visible-Light Induced Water Detoxification Catalyzed by Pt ^{II} Dye Sensitized Titania. <i>Journal of the American Chemical Society</i> , 2008, 130, 12566-12567.	13.7	120
47	Excited-State Absorption Properties of Platinum(II) Terpyridyl Acetylides. <i>Inorganic Chemistry</i> , 2007, 46, 3038-3048.	4.0	118
48	Naphthalimide Phosphorescence Finally Exposed in a Platinum(II) Diimine Complex. <i>Inorganic Chemistry</i> , 2010, 49, 6802-6804.	4.0	114
49	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
50	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
51	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
52	Altering Molecular Photophysics by Merging Organic and Inorganic Chromophores. <i>Accounts of Chemical Research</i> , 2015, 48, 828-839.	15.6	97
53	Bidirectional π - π^* Energy Transfer and 3000-Fold Lifetime Enhancement in a Re(I) Charge Transfer Complex. <i>Inorganic Chemistry</i> , 2011, 50, 7820-7830.	4.0	96
54	Microarray pattern recognition based on PtII terpyridyl chloride complexes: vapochromic and vapoluminescent response. <i>Chemical Communications</i> , 2008, , 6134.	4.1	93

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55	Long-Lifetime Ru(II) Complexes as Labeling Reagents for Sulfhydryl Groups. <i>Analytical Biochemistry</i> , 1998, 255, 165-170.	2.4	92
56	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
57	Supra-Nanosecond Dynamics of a Red-to-Blue Photon Upconversion System. <i>Inorganic Chemistry</i> , 2009, 48, 2541-2548.	4.0	92
58	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
59	Ruthenium(II) complex with a notably long excited state lifetime. <i>Chemical Communications</i> , 2000, , 2355-2356.	4.1	89
60	A Long-Lived, Highly Luminescent Re(I) Metal-Ligand Complex as a Biomolecular Probe. <i>Analytical Biochemistry</i> , 1997, 254, 179-186.	2.4	87
61	Photophysical Properties of Ruthenium Polypyridyl Photonic SiO ₂ Gels. <i>Chemistry of Materials</i> , 1994, 6, 1041-1048.	6.7	86
62	Thermochromic Absorption and Photoluminescence in [Pt(ppy)(1/4-Ph ₂ p _z)] ₂ . <i>Inorganic Chemistry</i> , 2009, 48, 10865-10867.	4.0	84
63	Improving the Catalytic Activity of Semiconductor Nanocrystals through Selective Domain Etching. <i>Nano Letters</i> , 2013, 13, 2016-2023.	9.1	84
64	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
65	Photochemical Upconversion Approach to Broad-Band Visible Light Generation. <i>Journal of Physical Chemistry A</i> , 2008, 112, 3906-3910.	2.5	83
66	Room Temperature Phosphorescence from Ruthenium(II) Complexes Bearing Conjugated Pyrenylethynylene Subunits. <i>Inorganic Chemistry</i> , 2004, 43, 6083-6092.	4.0	82
67	Platinum(II) Diimine Diacetylides: Metal-Cyclization Enhances Photophysical Properties. <i>Inorganic Chemistry</i> , 2006, 45, 4304-4306.	4.0	81
68	Efficient Generation of Long-Lived Triplet Excitons in 2D Hybrid Perovskite. <i>Advanced Materials</i> , 2017, 29, 1604278.	21.0	81
69	Metal-Organic Approach to Binary Optical Memory. <i>Journal of the American Chemical Society</i> , 2002, 124, 4562-4563.	13.7	80
70	Green Photoluminescence from Platinum(II) Complexes Bearing Silylacetylide Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 471-473.	4.0	79
71	Delayed Molecular Triplet Generation from Energized Lead Sulfide Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1458-1463.	4.6	78
72	A Water-Soluble Luminescence Oxygen Sensor. <i>Photochemistry and Photobiology</i> , 1998, 67, 179.	2.5	78

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73	Realization of high-efficiency fluorescent organic light-emitting diodes with low driving voltage. <i>Nature Communications</i> , 2019, 10, 2305.	12.8	77
74	Ligand Localized Triplet Excited States in Platinum(II) Bipyridyl and Terpyridyl Peryleneacetylides. <i>Inorganic Chemistry</i> , 2008, 47, 4348-4355.	4.0	74
75	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
76	Light-Driven Hydrogen Evolution by BODIPY-Sensitized Cobaloxime Catalysts. <i>Inorganic Chemistry</i> , 2014, 53, 4527-4534.	4.0	72
77	Light-Induced Charge Separation at Sensitized Sol-gel Processed Semiconductors. <i>Chemistry of Materials</i> , 1997, 9, 2341-2353.	6.7	71
78	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
79	Light-Harvesting Arrays with Coumarin Donors and MLCT Acceptors. <i>Inorganic Chemistry</i> , 1999, 38, 4382-4383.	4.0	69
80	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
81	Luminescent Charge-Transfer Platinum(II) Metallacycle. <i>Inorganic Chemistry</i> , 2007, 46, 8771-8783.	4.0	68
82	Excited-State Electron Transfer from Ruthenium-Polypyridyl Compounds to Anatase TiO ₂ Nanocrystallites: Evidence for a Stark Effect. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14596-14604.	2.6	68
83	Low-Frequency Modulation Sensors Using Nanosecond Fluorophores. <i>Analytical Chemistry</i> , 1998, 70, 5115-5121.	6.5	67
84	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
85	Transition metal complexes meet the rylenes. <i>Dalton Transactions</i> , 2012, 41, 8493.	3.3	67
86	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
87	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
88	Evolution of the Triplet Excited State in Pt ^{II} Perylenediimides. <i>Journal of Physical Chemistry A</i> , 2009, 113, 5763-5768.	2.5	66
89	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
90	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

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91	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
92	Low power threshold photochemical upconversion using a zirconium(IV) LMCT photosensitizer. <i>Chemical Science</i> , 2021, 12, 9069-9077.	7.4	63
93	Near-IR phosphorescent metalloporphyrin as a photochemical upconversion sensitizer. <i>Chemical Communications</i> , 2013, 49, 7406.	4.1	61
94	Viable Alternative to N719 for Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2039-2045.	8.0	60
95	Structure and Activity of Photochemically Deposited Co^{II} -Oxygen Evolving Catalyst on Titania. <i>ACS Catalysis</i> , 2012, 2, 2150-2160.	11.2	60
96	Analysis of Recombination Mechanisms in RbF-Treated CIGS Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2019, 9, 313-318.	2.5	58
97	Slow Cation Transfer Follows Sensitizer Regeneration at Anatase TiO_2 Interfaces. <i>Journal of the American Chemical Society</i> , 2008, 130, 11586-11587.	13.7	55
98	Ligand-Localized Triplet-State Photophysics in a Platinum(II) Terpyridyl Perylenediimideacetylide. <i>Inorganic Chemistry</i> , 2012, 51, 8589-8598.	4.0	55
99	Influence of a Gold(I) Acetylide Subunit on the Photophysics of $\text{Re}(\text{Phen})(\text{CO})_3\text{Cl}$. <i>Inorganic Chemistry</i> , 2005, 44, 3412-3421.	4.0	54
100	Visible-Light-Initiated Free-Radical Polymerization by Homomolecular Triplet-Triplet Annihilation. <i>Chem</i> , 2020, 6, 3071-3085.	11.7	54
101	Creation of Metal-to-Ligand Charge Transfer Excited States with Two-Photon Excitation. <i>Inorganic Chemistry</i> , 1997, 36, 5548-5551.	4.0	53
102	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
103	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
104	Cuprous Phenanthroline MLCT Chromophore Featuring Synthetically Tailored Photophysics. <i>Inorganic Chemistry</i> , 2016, 55, 10628-10636.	4.0	51
105	Effect of Polymer-Fullerene Interaction on the Dielectric Properties of the Blend. <i>Advanced Energy Materials</i> , 2017, 7, 1601947.	19.5	51
106	Dye-sensitized photovoltaic properties of hydrothermally prepared TiO_2 nanotubes. <i>Energy and Environmental Science</i> , 2011, 4, 998.	30.8	49
107	Synthesis and photophysics of ruthenium(II) complexes with multiple pyrenylethynylene subunits. <i>New Journal of Chemistry</i> , 2003, 27, 1679.	2.8	47
108	Directed assembly of chiral organometallic squares that exhibit dual luminescence Electronic supplementary information (ESI) available: experimental procedures and nine figures. See http://www.rsc.org/suppdata/cc/b3/b307727f/ . <i>Chemical Communications</i> , 2003, , 2124.	4.1	47

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109	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
110	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
111	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
112	Liquid PEG Polymers Containing Antioxidants: A Versatile Platform for Studying Oxygen-Sensitive Photochemical Processes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24038-24048.	8.0	43
113	Excited-State Processes of Cyclometalated Platinum(II) Charge-Transfer Dimers Bridged by Hydroxypyridines. <i>Inorganic Chemistry</i> , 2018, 57, 1298-1310.	4.0	43
114	Nanocrystals for Triplet Sensitization: Molecular Behavior from Quantum-Confined Materials. <i>Inorganic Chemistry</i> , 2018, 57, 2351-2359.	4.0	43
115	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
116	Photodrivn Electron and Energy Transfer from a Light-Harvesting Metallodendrimer. <i>Inorganic Chemistry</i> , 2002, 41, 3578-3586.	4.0	42
117	Photochemically Reversible Luminescence Lifetime Switching in Metal-Organic Systems. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10619-10622.	2.5	42
118	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
119	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.	2.5	40
120	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
121	Intramolecular radiationless transitions dominate exciton relaxation dynamics. <i>Chemical Physics Letters</i> , 2014, 599, 23-33.	2.6	38
122	Ultrafast Excited State Dynamics of Pt(II) Chromophores Bearing Multiple Infrared Absorbers. <i>Inorganic Chemistry</i> , 2008, 47, 6974-6983.	4.0	37
123	Photochemical upconversion in water. <i>Chemical Communications</i> , 2017, 53, 11705-11708.	4.1	37
124	Photodrivn Energy Transfer from Cuprous Phenanthroline Derivatives. <i>Inorganic Chemistry</i> , 1995, 34, 3-4.	4.0	36
125	Phosphorescent self-assembled Pt(II) tetranuclear metallocycles. <i>Chemical Communications</i> , 2011, 47, 4397.	4.1	36
126	Spectroscopy and Photophysics in Cyclometalated Ru(II)-Bis(bipyridyl) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4004-4011.	2.0	35

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127	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
128	DNA dynamics observed with long lifetime metal-ligand complexes. <i>Biospectroscopy</i> , 1995, 1, 163-168.	0.6	34
129	A long-lifetime Ru(II) metal-ligand complex as a membrane probe. <i>Biophysical Chemistry</i> , 1998, 71, 51-62.	2.8	34
130	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
131	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
132	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.	2.0	34
133	Long-lifetime metal-ligand complexes as luminescent probes for DNA. <i>Journal of Fluorescence</i> , 1997, 7, 107-112.	2.5	33
134	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, 4056-4064.	3.3	33
135	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
136	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
137	Shallow distance-dependent triplet energy migration mediated by endothermic charge-transfer. <i>Nature Communications</i> , 2021, 12, 1532.	12.8	33
138	Two-photon excitation of ethidium bromide labeled DNA. <i>Biophysical Chemistry</i> , 1997, 67, 35-41.	2.8	32
139	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
140	MLCT sensitizers in photochemical upconversion: past, present, and potential future directions. <i>Dalton Transactions</i> , 2015, 44, 17906-17910.	3.3	32
141	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
142	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
143	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
144	Photophysics of the Platinum(II) Terpyridyl Terpyridylacetylde Platform and the Influence of Fe ^{II} and Zn ^{II} Coordination. <i>Inorganic Chemistry</i> , 2008, 47, 6796-6803.	4.0	31

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145	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
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