

Nobuo Kimizuka

List of Publications by Year in descending order

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294
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#	ARTICLE	IF	CITATIONS
1	Near-Infrared-to-Visible Photon Upconversion. , 2022, , 29-48.		0
2	Design Guidelines for Rigid Epoxy Resins with High Photon Upconversion Efficiency: Critical Role of Emitter Concentration. ACS Applied Materials & Interfaces, 2022, 14, 22771-22780.	8.0	6
3	Nanoencapsulated Phase-Change Materials: Versatile and Air-Tolerant Platforms for Triplet-Triplet Annihilation Upconversion. ACS Applied Materials & Interfaces, 2022, 14, 4132-4143.	8.0	9
4	In optimized rubrene-based nanoparticle blends for photon upconversion, singlet energy collection outcompetes triplet-pair separation, not singlet fission. Journal of Materials Chemistry C, 2022, 10, 4684-4696.	5.5	33
5	Near-infrared vapochromism in lipid-packaged mixed-valence coordination polymers. Chemical Communications, 2022, 58, 2112-2115.	4.1	2
6	Heavy metal-free visible-to-UV photon upconversion with over 20% efficiency sensitized by a ketocoumarin derivative. Journal of Materials Chemistry C, 2022, 10, 4558-4562.	5.5	23
7	Triplet Dynamic Nuclear Polarization of Guest Molecules through Induced Fit in a Flexible Metal-Organic Framework**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	22
8	Osmium Complex-Chromophore Conjugates with Both Singlet-to-Triplet Absorption and Long Triplet Lifetime through Tuning of the Heavy-Atom Effect. Inorganic Chemistry, 2022, 61, 5982-5990.	4.0	23
9	Liquid Bisazobenzenes as Molecular Solar Thermal Fuel with Enhanced Energy Density. Chemistry Letters, 2022, 51, 402-406.	1.3	5
10	Chemistry of Photon Upconversion Based on Molecular Assembly. Oleoscience, 2022, 22, 195-201.	0.0	0
11	Exciton Recycling in Triplet Energy Transfer from a Defect-Rich Quantum Dot to an Organic Molecule. Journal of Physical Chemistry C, 2022, 126, 11674-11679.	3.1	1
12	Discovery of Key TIPS-Naphthalene for Efficient Visible-UV Photon Upconversion under Sunlight and Room Light**. Angewandte Chemie - International Edition, 2021, 60, 142-147.	13.8	52
13	Discovery of Key TIPS-Naphthalene for Efficient Visible-UV Photon Upconversion under Sunlight and Room Light**. Angewandte Chemie, 2021, 133, 144-149.	2.0	10
14	A Novel Thermocell System Using Proton Solvation Entropy. Chemistry - A European Journal, 2021, 27, 4287-4290.	3.3	9
15	Light-Triggered, Non-Centrosymmetric Self-Assembly of Aqueous Arylazopyrazoles at the Air-Water Interface and Switching of Second-Harmonic Generation. Angewandte Chemie - International Edition, 2021, 60, 6333-6338.	13.8	21
16	Frontispiece: Discovery of Key TIPS-Naphthalene for Efficient Visible-UV Photon Upconversion under Sunlight and Room Light. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
17	Photon upconverting bioplastics with high efficiency and in-air durability. Journal of Materials Chemistry C, 2021, 9, 11655-11661.	5.5	13
18	Light-Triggered, Non-Centrosymmetric Self-Assembly of Aqueous Arylazopyrazoles at the Air-Water Interface and Switching of Second-Harmonic Generation. Angewandte Chemie, 2021, 133, 6403-6408.	2.0	1

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19	Ionic Charge-Transfer Liquid Crystals Formed by Alternating Supramolecular Copolymerization of Liquid π -Donors and TCNQ. <i>Frontiers in Chemistry</i> , 2021, 9, 657246.	3.6	8
20	Supramolecular Thermocells Based on Thermo-Responsiveness of Host-Guest Chemistry. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1525-1546.	3.2	24
21	Bulk Transparent Photon Upconverting Films by Dispersing High-Concentration Ionic Emitters in Epoxy Resins. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13676-13683.	8.0	14
22	Porphyrins as Versatile, Aggregation-Tolerant, and Biocompatible Polarizing Agents for Triplet Dynamic Nuclear Polarization of Biomolecules. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2645-2650.	4.6	16
23	Design Guidelines to Elongate Spin Lattice Relaxation Times of Porphyrins with Large Triplet Electron Polarization. <i>Journal of Physical Chemistry A</i> , 2021, 125, 4334-4340.	2.5	8
24	High Positive Seebeck Coefficient of Aqueous I_3^-/I_3 Thermocells Based on Host-Guest Interactions and LCST Behavior of PEGylated β -Cyclodextrin. <i>ACS Applied Energy Materials</i> , 2021, 4, 5326-5331.	5.1	19
25	High seebeck coefficient in middle-temperature thermocell with deep eutectic solvent. <i>Scientific Reports</i> , 2021, 11, 11929.	3.3	12
26	Singlet-to-Triplet Absorption for Near-Infrared-to-Visible Photon Upconversion. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1760-1768.	3.2	13
27	Liquid-Based Multijunction Molecular Solar Thermal Energy Collection Device. <i>Advanced Science</i> , 2021, 8, e21103060.	11.2	27
28	Spin Statistics for Triplet-Triplet Annihilation Upconversion: Exchange Coupling, Intermolecular Orientation, and Reverse Intersystem Crossing. <i>Jacs Au</i> , 2021, 1, 2188-2201.	7.9	44
29	Frontispiz: Discovery of Key TIPS-Naphthalene for Efficient Visible-UV Photon Upconversion under Sunlight and Room Light. <i>Angewandte Chemie</i> , 2021, 133, .	2.0	0
30	Green-to-UV photon upconversion enabled by new perovskite nanocrystal-transmitter-emitter combination. <i>Nanoscale</i> , 2021, 13, 19890-19893.	5.6	16
31	Enhanced Electric Polarization and Polar Switching of Dipolar Aromatic Liquids Confined in Supramolecular Gel Networks. <i>Journal of the American Chemical Society</i> , 2020, 142, 1424-1432.	13.7	10
32	Visible-UV Photon Upconversion in Nanostructured Chromophoric Ionic Liquids. <i>ChemistryOpen</i> , 2020, 9, 14-17.	1.9	20
33	Thermocells Driven by Phase Transition of Hydrogel Nanoparticles. <i>Journal of the American Chemical Society</i> , 2020, 142, 17318-17322.	13.7	54
34	Photon Upconverting Solid Films with Improved Efficiency for Endowing Perovskite Solar Cells with Near-Infrared Sensitivity. <i>ChemPhotoChem</i> , 2020, 4, 5271-5278.	3.0	26
35	Increased Seebeck Coefficient of $[Fe(CN)_6]^{4-}/[Fe(CN)_6]^{3-}$ Thermocell Based on the Selective Electrostatic Interactions with Cationic Micelles. <i>Chemistry Letters</i> , 2020, 49, 1197-1200.	1.3	14
36	Leaping across the visible range: near-infrared-to-violet photon upconversion employing a silyl-substituted anthracene. <i>Chemical Communications</i> , 2020, 56, 7017-7020.	4.1	44

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37	Enhanced Seebeck coefficients of thermocells by heat-induced deposition of $\text{I}^{\text{3+}}$ /hydrophobized β -cyclodextrin complexes on electrodes. <i>Chemical Communications</i> , 2020, 56, 7013-7016.	4.1	17
38	Monomolecular covalent honeycomb nanosheets produced by surface-mediated polycondensation between 1,3,5-triamino benzene and benzene-1,3,5-tricarbox aldehyde on Au(111). <i>Nanoscale Advances</i> , 2020, 2, 3202-3208.	4.6	4
39	A Liquid Arylazopyrazole Derivative as Molecular Solar Thermal Fuel with Long-term Thermal Stability. <i>Chemistry Letters</i> , 2020, 49, 736-740.	1.3	15
40	Number of Surface-Attached Acceptors on a Quantum Dot Impacts Energy Transfer and Photon Upconversion Efficiencies. <i>ACS Photonics</i> , 2020, 7, 1876-1884.	6.6	13
41	Polar Switching of Dipolar Molecules Confined in Submicron- and Micron-sized Pores in Polymer Films. <i>Chemistry Letters</i> , 2020, 49, 255-259.	1.3	3
42	Polar Switching of Dipolar Molecules Induced by Solid Dispersion-to-organogel Phase Transition. <i>Chemistry Letters</i> , 2020, 49, 267-271.	1.3	2
43	Triplet dynamic nuclear polarization of crystalline ice using water-soluble polarizing agents. <i>Chemical Communications</i> , 2020, 56, 3717-3720.	4.1	21
44	Visible-to-UV Photon Upconversion in Nanostructured Chromophoric Ionic Liquids. <i>ChemistryOpen</i> , 2020, 9, 3-3.	1.9	1
45	Near-Infrared-to-Visible Photon Upconversion by Introducing an S^{T} Absorption Sensitizer into a Metal-Organic Framework. <i>ChemNanoMat</i> , 2020, 6, 916-919.	2.8	11
46	Stimuli-Responsive Molecular Photon Upconversion. <i>Angewandte Chemie</i> , 2020, 132, 10336-10348.	2.0	3
47	Stimuli-Responsive Molecular Photon Upconversion. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10252-10264.	13.8	48
48	Visible-to-UV photon upconversion in air-saturated water by multicomponent co-assembly. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 792-796.	3.4	16
49	Materials chemistry of triplet dynamic nuclear polarization. <i>Chemical Communications</i> , 2020, 56, 7217-7232.	4.1	26
50	Photon Upconversion in TTA-Inducing Ionic Liquids: Pinpointing the Role of IL Nanostructured Media Using MD Simulations. <i>Journal of Physical Chemistry B</i> , 2020, 124, 3137-3144.	2.6	3
51	Regioselective Functionalization of the Mesoporous Metal-Organic Framework, NU-1000, with Photo-Active Tris-(2,2'-bipyridine)ruthenium(II). <i>ACS Omega</i> , 2020, 5, 30299-30305.	3.5	17
52	Upconverting Oil-Laden Hollow Mesoporous Silica Microcapsules for Anti-Stokes-Based Biophotonic Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26571-26580.	8.0	15
53	Electrochemical Thermoelectric Conversion with Polysulfide as Redox Species. <i>ChemSusChem</i> , 2019, 12, 4014-4020.	6.8	11
54	Triplet dynamic nuclear polarization of nanocrystals dispersed in water at room temperature. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16408-16412.	2.8	12

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55	Visible-to-UV Photon Upconversion Sensitized by Lead Halide Perovskite Nanocrystals. <i>Chemistry Letters</i> , 2019, 48, 1347-1350.	1.3	42
56	Absolute Method to Certify Quantum Yields of Photon Upconversion via Triplet-Triplet Annihilation. <i>Journal of Physical Chemistry A</i> , 2019, 123, 10197-10203.	2.5	35
57	Near-Infrared Optogenetic Genome Engineering Based on Photon Upconversion Hydrogels. <i>Angewandte Chemie</i> , 2019, 131, 17991-17997.	2.0	12
58	Near-Infrared Optogenetic Genome Engineering Based on Photon Upconversion Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17827-17833.	13.8	103
59	Synthesis of a Redox-active Metal-Organic Framework MIL-116(Fe) and Its Lithium Ion Battery Cathode Properties. <i>Chemistry Letters</i> , 2019, 48, 1379-1382.	1.3	13
60	Hexakis(2,3,6-tri-O-methyl)- β -cyclodextrin ⁵⁺ complex in aqueous solution thermocells and enhancement in the Seebeck coefficient. <i>Chemical Science</i> , 2019, 10, 773-780.	7.4	30
61	A Theoretical Basis for the Enhancement of Seebeck Coefficients in Supramolecular Thermocells. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1142-1147.	3.2	12
62	Demonstration of an azobenzene derivative based solar thermal energy storage system. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15042-15047.	10.3	75
63	Recent Progress in Photon Upconverting Gels. <i>Gels</i> , 2019, 5, 18.	4.5	18
64	Supramolecular Crowding Can Avoid Oxygen Quenching of Photon Upconversion in Water. <i>Chemistry - A European Journal</i> , 2019, 25, 6042-6042.	3.3	0
65	Hierarchical Hybrid Metal-Organic Frameworks: Tuning the Visible/Near-Infrared Optical Properties by a Combination of Porphyrin and Its Isomer Units. <i>Inorganic Chemistry</i> , 2019, 58, 4647-4656.	4.0	16
66	Liquid crystalline microspheres of azobenzene amphiphiles formed by thermally induced pH changes in binary water-hydrolytic ionic liquid media. <i>Chemical Communications</i> , 2019, 55, 5459-5462.	4.1	2
67	Nonpentacene Polarizing Agents with Improved Air Stability for Triplet Dynamic Nuclear Polarization at Room Temperature. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2208-2213.	4.6	31
68	Synthesis of Chiral Labtb and Visualization of Its Enantiomeric Excess by Induced Circular Dichroism Imaging. <i>Chemistry - A European Journal</i> , 2019, 25, 6698-6702.	3.3	18
69	Quasi-thresholdless Photon Upconversion in Metal-Organic Framework Nanocrystals. <i>Nano Letters</i> , 2019, 19, 2169-2177.	9.1	43
70	Transcription of Chirality from Metal-Organic Framework to Polythiophene. <i>Journal of the American Chemical Society</i> , 2019, 141, 19565-19569.	13.7	43
71	Aqueous Photon Upconversion by Anionic Acceptors Self-Assembled on Cationic Bilayer Membranes with a Long Triplet Lifetime. <i>Organic Materials</i> , 2019, 01, 043-049.	2.0	3
72	Oligo(ethylene glycol)/alkyl-modified Chromophore Assemblies for Photon Upconversion in Water. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1723-1728.	3.3	8

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73	Supramolecular Crowding Can Avoid Oxygen Quenching of Photon Upconversion in Water. <i>Chemistry - A European Journal</i> , 2019, 25, 6124-6130.	3.3	26
74	Hybridizing semiconductor nanocrystals with metal-organic frameworks for visible and near-infrared photon upconversion. <i>Dalton Transactions</i> , 2018, 47, 8590-8594.	3.3	28
75	Aggregation-free sensitizer dispersion in rigid ionic crystals for efficient solid-state photon upconversion and demonstration of defect effects. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5609-5615.	5.5	19
76	Translating MOF chemistry into supramolecular chemistry: soluble coordination nanofibers showing efficient photon upconversion. <i>Chemical Communications</i> , 2018, 54, 6828-6831.	4.1	15
77	Enhancement of Ionic Conductivity in Organic Ionic Plastic Crystals by Introducing Racemic Ammonium Ions. <i>Chemistry Letters</i> , 2018, 47, 497-499.	1.3	10
78	Stimuli-Responsive Dual-Color Photon Upconversion: A Singlet-Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane. <i>Angewandte Chemie</i> , 2018, 130, 2856-2860.	2.0	11
79	Stimuli-Responsive Dual-Color Photon Upconversion: A Singlet-Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2806-2810.	13.8	28
80	Synthesis and Electric Properties of a Two-Dimensional Metal-Organic Framework Based on Phthalocyanine. <i>Chemistry - A European Journal</i> , 2018, 24, 1806-1810.	3.3	105
81	Thermo-electrochemical cells empowered by selective inclusion of redox-active ions by polysaccharides. <i>Sustainable Energy and Fuels</i> , 2018, 2, 472-478.	4.9	35
82	Selective Ionic Conduction in Choline Iodide/Triiodide Solid Electrolyte and Its Application to Thermocells. <i>Chemistry Letters</i> , 2018, 47, 261-264.	1.3	8
83	Specific Uniaxial Self-assembly of Columnar Perylene Liquid Crystals in Au Nanofin Arrays. <i>Chemistry Letters</i> , 2018, 47, 354-357.	1.3	0
84	A supramolecular thermocell consisting of ferrocenecarboxylate and β -cyclodextrin that has a negative Seebeck coefficient. <i>Polymer Journal</i> , 2018, 50, 771-774.	2.7	11
85	Innentitelbild: Stimuli-Responsive Dual-Color Photon Upconversion: A Singlet-Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane (<i>Angew. Chem.</i> 11/2018). <i>Angewandte Chemie</i> , 2018, 130, 2778-2778.	2.0	0
86	Highly Fluorescent Metal-Organic-Framework Nanocomposites for Photonic Applications. <i>Nano Letters</i> , 2018, 18, 528-534.	9.1	37
87	Nonpolar-to-Polar Phase Transition of a Chiral Ionic Plastic Crystal and Switch of the Rotation Symmetry. <i>Journal of the American Chemical Society</i> , 2018, 140, 291-297.	13.7	30
88	Two-dimensional structural ordering in a chromophoric ionic liquid for triplet energy migration-based photon upconversion. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3233-3240.	2.8	21
89	Reentrant Gel-Sol-Gel Transition of a Lipophilic Co(II) Coordination Polymer. <i>Chemistry Letters</i> , 2018, 47, 97-99.	1.3	4
90	Dynamic Nuclear Polarization of Metal-Organic Frameworks Using Photoexcited Triplet Electrons. <i>Journal of the American Chemical Society</i> , 2018, 140, 15606-15610.	13.7	29

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91	Air-Sensitive Photoredox Catalysis Performed under Aerobic Conditions in Gel Networks. <i>Journal of Organic Chemistry</i> , 2018, 83, 7928-7938.	3.2	22
92	Donor-acceptor-collector Ternary Crystalline Films for Efficient Solid-State Photon Upconversion. <i>Journal of the American Chemical Society</i> , 2018, 140, 8788-8796.	13.7	57
93	Solid-State Photon Upconversion Materials: Structural Integrity and Triplet-singlet Dual Energy Migration. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4613-4624.	4.6	64
94	Simple and Versatile Platform for Air-Tolerant Photon Upconverting Hydrogels by Biopolymer-surfactant-chromophore Co-assembly. <i>Journal of the American Chemical Society</i> , 2018, 140, 10848-10855.	13.7	74
95	Self-assembly of Oligo(ethylene oxide)-linked Diammonium Ions with Polyoxometalates into Ordered Polyhedron Nanocrystals in Aqueous Media. <i>Chemistry Letters</i> , 2017, 46, 430-433.	1.3	0
96	Photoresponsive Nanosheets of Polyoxometalates Formed by Controlled Self-assembly Pathways. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2974-2978.	13.8	48
97	Near infrared-to-blue photon upconversion by exploiting direct S-T absorption of a molecular sensitizer. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5063-5067.	5.5	77
98	Applicability of MIL-101(Fe) as a cathode of lithium ion batteries. <i>Chemical Communications</i> , 2017, 53, 8215-8218.	4.1	75
99	Triplet sensitization by perovskite nanocrystals for photon upconversion. <i>Chemical Communications</i> , 2017, 53, 8261-8264.	4.1	119
100	Photoresponsive Nanosheets of Polyoxometalates Formed by Controlled Self-assembly Pathways. <i>Angewandte Chemie</i> , 2017, 129, 3020-3024.	2.0	17
101	Sensitizer-Free Photon Upconversion in Single-Component Brominated Aromatic Crystals. <i>ChemistrySelect</i> , 2017, 2, 7597-7601.	1.5	5
102	New Triplet Sensitization Routes for Photon Upconversion: Thermally Activated Delayed Fluorescence Molecules, Inorganic Nanocrystals, and Singlet-to-Triplet Absorption. <i>Accounts of Chemical Research</i> , 2017, 50, 2487-2495.	15.6	245
103	Introduction of Thiourea into Metal-organic Frameworks by Immersion Technique and Their Phase Transition Characteristics. <i>Chemistry Letters</i> , 2017, 46, 115-117.	1.3	2
104	All-or-none switching of photon upconversion in self-assembled organogel systems. <i>Faraday Discussions</i> , 2017, 196, 305-316.	3.2	29
105	Kinetically controlled crystal growth approach to enhance triplet energy migration-based photon upconversion. <i>Journal of Photonics for Energy</i> , 2017, 8, 1.	1.3	16
106	Peptide nanospheres self-assembled from a modified β -annulus peptide of <i>Sesbania mosaic virus</i> . <i>Biopolymers</i> , 2016, 106, 470-475.	2.4	14
107	Self-assembly of Ni-NTA-modified β -annulus peptides into artificial viral capsids and encapsulation of His-tagged proteins. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7869-7874.	2.8	32
108	Molecularly Dispersed Donors in Acceptor Molecular Crystals for Photon Upconversion under Low Excitation Intensity. <i>Chemistry - A European Journal</i> , 2016, 22, 2060-2067.	3.3	47

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109	Increased vis-to-UV upconversion performance by energy level matching between a TADF donor and high triplet energy acceptors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6447-6451.	5.5	100
110	Triplet energy migration-based photon upconversion by amphiphilic molecular assemblies in aerated water. <i>Chemical Science</i> , 2016, 7, 5224-5229.	7.4	53
111	Preorganized Chromophores Facilitate Triplet Energy Migration, Annihilation and Upconverted Singlet Energy Collection. <i>Journal of the American Chemical Society</i> , 2016, 138, 6541-6549.	13.7	27
112	Hierarchical Self-Assembly of Luminescent Tartrate-Bridged Chiral Binuclear Tb(III) Complexes in Ethanol. <i>Langmuir</i> , 2016, 32, 10597-10603.	3.5	5
113	Supramolecular Thermo-Electrochemical Cells: Enhanced Thermoelectric Performance by Host-Guest Complexation and Salt-Induced Crystallization. <i>Journal of the American Chemical Society</i> , 2016, 138, 10502-10507.	13.7	139
114	Ferroelectric Coordination Polymers Self-Assembled from Mesogenic Zinc(II) Porphyrin and Dipolar Bridging Ligands. <i>Chemistry - A European Journal</i> , 2016, 22, 14213-14218.	3.3	7
115	Photon Upconversion and Molecular Solar Energy Storage by Maximizing the Potential of Molecular Self-Assembly. <i>Langmuir</i> , 2016, 32, 12304-12322.	3.5	63
116	Employing Core-Shell Quantum Dots as Triplet Sensitizers for Photon Upconversion. <i>Chemistry - A European Journal</i> , 2016, 22, 7721-7726.	3.3	87
117	Near-Infrared-to-Visible Photon Upconversion Sensitized by a Metal Complex with Spin-Forbidden yet Strong S ₀ →T ₁ Absorption. <i>Journal of the American Chemical Society</i> , 2016, 138, 8702-8705.	13.7	178
118	Recent emergence of photon upconversion based on triplet energy migration in molecular assemblies. <i>Chemical Communications</i> , 2016, 52, 5354-5370.	4.1	152
119	Photoinduced Crystallization in Ionic Liquids: Photodimerization-induced Equilibrium Shift and Crystal Patterning. <i>Chemistry Letters</i> , 2015, 44, 908-910.	1.3	8
120	Growth of Two-Dimensional Metal-Organic Framework Nanosheet Crystals on Graphite Substrates by Thermal Equilibrium Treatment in Acetic Acid Vapor. <i>ChemNanoMat</i> , 2015, 1, 259-263.	2.8	8
121	Aggregation-Induced Photon Upconversion through Control of the Triplet Energy Landscapes of the Solution and Solid States. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7544-7549.	13.8	67
122	Photon-Upconverting Ionic Liquids: Effective Triplet Energy Migration in Contiguous Ionic Chromophore Arrays. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11550-11554.	13.8	69
123	Photon Upconversion in Supramolecular Gel Matrixes: Spontaneous Accumulation of Light-Harvesting Donor-Acceptor Arrays in Nanofibers and Acquired Air Stability. <i>Journal of the American Chemical Society</i> , 2015, 137, 1887-1894.	13.7	268
124	Fast and long-range triplet exciton diffusion in Metal-organic frameworks for photon upconversion at ultralow excitation power. <i>Nature Materials</i> , 2015, 14, 924-930.	27.5	111
125	Highly Efficient Photon Upconversion in Self-Assembled Light-Harvesting Molecular Systems. <i>Scientific Reports</i> , 2015, 5, 10882.	3.3	145
126	Metallonaphthalocyanines as triplet sensitizers for near-infrared photon upconversion beyond 850 nm. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22557-22560.	2.8	31

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127	Interlocked dimerization of C ₃ -Symmetrical boron difluoride complex: designing non-cooperative supramolecular materials for luminescent thin films. RSC Advances, 2015, 5, 60373-60379.	3.6	9
128	An Electropolymerized Crystalline Film Incorporating Axially-Bound Metalloporphyrines: Remarkable Reversibility, Reproducibility, and Coloration Efficiency of Ruthenium(II/III)-Based Electrochromism. Inorganic Chemistry, 2015, 54, 11061-11063.	4.0	33
129	Photoliquefiable Ionic Crystals: A Phase Crossover Approach for Photon Energy Storage Materials with Functional Multiplicity. Angewandte Chemie - International Edition, 2015, 54, 1532-1536.	13.8	149
130	Thermodynamic Self-Assembly of Two-Dimensional π -Conjugated Metal-Porphyrin Covalent Organic Frameworks by α -On-Site-Equilibrium Polymerization. Journal of Nanoscience and Nanotechnology, 2014, 14, 2211-2216.	0.9	16
131	Light-Reducible Dissipative Nanostructures Formed at the Solid-Liquid Interface. Langmuir, 2014, 30, 14219-14225.	3.5	6
132	Positional selectivity of reversible azomethine condensation reactions at solid/liquid interfaces leading to supramolecule formation. Journal of Electroanalytical Chemistry, 2014, 716, 145-149.	3.8	13
133	Spectroscopic readout of polyoxometalates' molecular information via self-assembly. Chemical Communications, 2014, 50, 599-601.	4.1	10
134	A liquid azobenzene derivative as a solvent-free solar thermal fuel. Chemical Communications, 2014, 50, 15803-15806.	4.1	120
135	A bis-cyclometalated iridium complex as a benchmark sensitizer for efficient visible-to-UV photon upconversion. Chemical Communications, 2014, 50, 13111-13113.	4.1	80
136	Self-Assembly of Azobenzene Bilayer Membranes in Binary Ionic Liquid-Water Nanostructured Media. Langmuir, 2014, 30, 2376-2384.	3.5	13
137	Coordination Lamellar Nanofibers Consisting of N -(2-Hydroxydodecyl)-substituted Amino Acid and Divalent Copper Cation. Chemistry Letters, 2014, 43, 1031-1033.	1.3	0
138	Design of a Dynamic Polymer Interface for Chiral Discrimination. Journal of the American Chemical Society, 2013, 135, 10282-10285.	13.7	53
139	Controlled Self-Assembly and Luminescence Characteristics of Eu(III) Complexes in Binary Aqueous/Organic Media. Langmuir, 2013, 29, 12930-12935.	3.5	22
140	Photon Upconverting Liquids: Matrix-Free Molecular Upconversion Systems Functioning in Air. Journal of the American Chemical Society, 2013, 135, 19056-19059.	13.7	210
141	Guest-binding behavior of peptide nanocapsules self-assembled from viral peptide fragments. Polymer Journal, 2013, 45, 529-534.	2.7	43
142	Self-assembly and functionalization of lipophilic metal-triazole complexes in various media. Polymer Journal, 2013, 45, 384-390.	2.7	12
143	Formation, Assembly, and Function of Nano- and Micron-Sized Coordination Polymer Particles. Kobunshi Ronbunshu, 2013, 70, 235-241.	0.2	0
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