Nobuo Kimizuka

List of Publications by Year
in descending order

273	11,317	22132	39638
papers	citations	59 h-index	94 g-index

294	294	294	9403
all docs	docs citations	times ranked	citing authors

#	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.	4.0	6
3	Nanoencapsulated Phase-Change Materials: Versatile and Air-Tolerant Platforms for Tripletâ€“Triplet Annihilation Upconversion. ACS Applied Materials & Interfaces, 2022, 14, 4132-4143.	4.0	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.	2.7	33
5	Near-infrared vapochromism in lipid-packaged mixed-valence coordination polymers. Chemical Communications, 2022, 58, 2112-2115.	2.2	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.	2.7	23
7	Triplet Dynamic Nuclear Polarization of Guest Molecules through Induced Fit in a Flexible Metalâ€“Organic Framework**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	22
8	Osmium Complexâ€“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.	1.9	23
9	Liquid Bisazobenzenes as Molecular Solar Thermal Fuel with Enhanced Energy Density. Chemistry Letters, 2022, 51, 402-406.	0.7	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.	1.5	1
12	Discovery of Key TIPSâ€Naphthalene for Efficient Visibleâ€toâ€UV Photon Upconversion under Sunlight and Room Light**. Angewandte Chemie - International Edition, 2021, 60, 142-147.	7.2	52
13	Discovery of Key TIPSâ€Naphthalene for Efficient Visibleâ€toâ€UV Photon Upconversion under Sunlight and Room Light**. Angewandte Chemie, 2021, 133, 144-149.	1.6	10
14	A Novel Thermocell System Using Proton Solvation Entropy. Chemistry - A European Journal, 2021, 27, 4287-4290.	1.7	9
15	Lightâ€Triggered, Nonâ€Centrosymmetric Selfâ€Assembly of Aqueous Arylazopyrazoles at the Airâ€“Water Interface and Switching of Secondâ€Harmonic Generation. Angewandte Chemie - International Edition, 2021, 60, 6333-6338.	7.2	21
16	Frontispiece: Discovery of Key TIPSâ€Naphthalene for Efficient Visibleâ€toâ€UV Photon Upconversion under Sunlight and Room Light. Angewandte Chemie - International Edition, 2021, 60, .	7.2	0
17	Photon upconverting bioplastics with high efficiency and in-air durability. Journal of Materials Chemistry C, 2021, 9, 11655-11661.	2.7	13
18	Lightâ€Triggered, Nonâ€Centrosymmetric Selfâ€Assembly of Aqueous Arylazopyrazoles at the Airâ€“Water Interface and Switching of Secondâ€Harmonic Generation. Angewandte Chemie, 2021, 133, 6403-6408.	1.6	1

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19	Ionic Charge-Transfer Liquid Crystals Formed by Alternating Supramolecular Copolymerization of Liquid Ï€-Donors and TCNQ. Frontiers in Chemistry, 2021, 9, 657246.	1.8	8
20	Supramolecular Thermocells Based on Thermo-Responsiveness of Hostâ€“Guest Chemistry. Bulletin of the Chemical Society of Japan, 2021, 94, 1525-1546.	2.0	24
21	Bulk Transparent Photon Upconverting Films by Dispersing High-Concentration Ionic Emitters in Epoxy Resins. ACS Applied Materials & Interfaces, 2021, 13, 13676-13683.	4.0	14
22	Porphyrins as Versatile, Aggregation-Tolerant, and Biocompatible Polarizing Agents for Triplet Dynamic Nuclear Polarization of Biomolecules. Journal of Physical Chemistry Letters, 2021, 12, 2645-2650.	2.1	16
23	Design Guidelines to Elongate Spinâ€“Lattice Relaxation Times of Porphyrins with Large Triplet Electron Polarization. Journal of Physical Chemistry A, 2021, 125, 4334-4340.	1.1	8
24	High Positive Seebeck Coefficient of Aqueous I^{â€“}/I₃^{â€“} Thermocells Based on Hostâ€“Guest Interactions and LCST Behavior of PEGylated Î±-Cyclodextrin. ACS Applied Energy Materials, 2021, 4, 5326-5331.	2.5	19
25	High seebeck coefficient in middle-temperature thermocell with deep eutectic solvent. Scientific Reports, 2021, 11, 11929.	1.6	12
26	Singlet-to-Triplet Absorption for Near-Infrared-to-Visible Photon Upconversion. Bulletin of the Chemical Society of Japan, 2021, 94, 1760-1768.	2.0	13
27	Liquidâ€Based Multijunction Molecular Solar Thermal Energy Collection Device. Advanced Science, 2021, 8, e2103060.	5.6	27
28	Spin Statistics for Tripletâ€“Triplet Annihilation Upconversion: Exchange Coupling, Intermolecular Orientation, and Reverse Intersystem Crossing. Jacs Au, 2021, 1, 2188-2201.	3.6	44
29	Frontispiz: Discovery of Key TIPSâ€Naphthalene for Efficient Visibleâ€toâ€UV Photon Upconversion under Sunlight and Room Light. Angewandte Chemie, 2021, 133, .	1.6	0
30	Green-to-UV photon upconversion enabled by new perovskite nanocrystal-transmitter-emitter combination. Nanoscale, 2021, 13, 19890-19893.	2.8	16
31	Enhanced Electric Polarization and Polar Switching of Dipolar Aromatic Liquids Confined in Supramolecular Gel Networks. Journal of the American Chemical Society, 2020, 142, 1424-1432.	6.6	10
32	Visibleâ€toâ€UV Photon Upconversion in Nanostructured Chromophoric Ionic Liquids. ChemistryOpen, 2020, 9, 14-17.	0.9	20
33	Thermocells Driven by Phase Transition of Hydrogel Nanoparticles. Journal of the American Chemical Society, 2020, 142, 17318-17322.	6.6	54
34	Photon Upconverting Solid Films with Improved Efficiency for Endowing Perovskite Solar Cells with Nearâ€Infrared Sensitivity. ChemPhotoChem, 2020, 4, 5271-5278.	1.5	26
35	Increased Seebeck Coefficient of [Fe(CN)₆]^{4â^'/3â^'} Thermocell Based on the Selective Electrostatic Interactions with Cationic Micelles. Chemistry Letters, 2020, 49, 1197-1200.	0.7	14
36	Leaping across the visible range: near-infrared-to-violet photon upconversion employing a silyl-substituted anthracene. Chemical Communications, 2020, 56, 7017-7020.	2.2	44

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37	Enhanced Seebeck coefficients of thermocells by heat-induced deposition of I₃^{â”}/hydrophobized Î±-cyclodextrin complexes on electrodes. Chemical Communications, 2020, 56, 7013-7016.	2.2	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). Nanoscale Advances, 2020, 2, 3202-3208.	2.2	4
39	A Liquid Arylazopyrazole Derivative as Molecular Solar Thermal Fuel with Long-term Thermal Stability. Chemistry Letters, 2020, 49, 736-740.	0.7	15
40	Number of Surface-Attached Acceptors on a Quantum Dot Impacts Energy Transfer and Photon Upconversion Efficiencies. ACS Photonics, 2020, 7, 1876-1884.	3.2	13
41	Polar Switching of Dipolar Molecules Confined in Submicron- and Micron-sized Pores in Polymer Films. Chemistry Letters, 2020, 49, 255-259.	0.7	3
42	Polar Switching of Dipolar Molecules Induced by Solid Dispersion-to-organogel Phase Transition. Chemistry Letters, 2020, 49, 267-271.	0.7	2
43	Triplet dynamic nuclear polarization of crystalline ice using water-soluble polarizing agents. Chemical Communications, 2020, 56, 3717-3720.	2.2	21
44	Visibleâ€toâ€UV Photon Upconversion in Nanostructured Chromophoric Ionic Liquids. ChemistryOpen, 2020, 9, 3-3.	0.9	1
45	Nearâ€Infraredâ€toâ€Visible Photon Upconversion by Introducing an Sâ”T Absorption Sensitizer into a Metalâ€Organic Framework. ChemNanoMat, 2020, 6, 916-919.	1.5	11
46	Stimuliâ€Responsive Molecular Photon Upconversion. Angewandte Chemie, 2020, 132, 10336-10348.	1.6	3
47	Stimuliâ€Responsive Molecular Photon Upconversion. Angewandte Chemie - International Edition, 2020, 59, 10252-10264.	7.2	48
48	Visible-to-UV photon upconversion in air-saturated water by multicomponent co-assembly. Molecular Systems Design and Engineering, 2020, 5, 792-796.	1.7	16
49	Materials chemistry of triplet dynamic nuclear polarization. Chemical Communications, 2020, 56, 7217-7232.	2.2	26
50	Photon Upconversion in TTA-Inducing Ionic Liquids: Pinpointing the Role of IL Nanostructured Media Using MD Simulations. Journal of Physical Chemistry B, 2020, 124, 3137-3144.	1.2	3
51	Regioselective Functionalization of the Mesoporous Metalâ€“Organic Framework, NU-1000, with Photo-Active Tris-(2,2â€²-bipyridine)ruthenium(II). ACS Omega, 2020, 5, 30299-30305.	1.6	17
52	Upconverting Oil-Laden Hollow Mesoporous Silica Microcapsules for Anti-Stokes-Based Biophotonic Applications. ACS Applied Materials & Interfaces, 2019, 11, 26571-26580.	4.0	15
53	Electrochemical Thermoelectric Conversion with Polysulfide as Redox Species. ChemSusChem, 2019, 12, 4014-4020.	3.6	11
54	Triplet dynamic nuclear polarization of nanocrystals dispersed in water at room temperature. Physical Chemistry Chemical Physics, 2019, 21, 16408-16412.	1.3	12

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55	Visible-to-UV Photon Upconversion Sensitized by Lead Halide Perovskite Nanocrystals. Chemistry Letters, 2019, 48, 1347-1350.	0.7	42
56	Absolute Method to Certify Quantum Yields of Photon Upconversion via Tripletâ€“Triplet Annihilation. Journal of Physical Chemistry A, 2019, 123, 10197-10203.	1.1	35
57	Nearâ€Infrared Optogenetic Genome Engineering Based on Photonâ€Upconversion Hydrogels. Angewandte Chemie, 2019, 131, 17991-17997.	1.6	12
58	Nearâ€Infrared Optogenetic Genome Engineering Based on Photonâ€Upconversion Hydrogels. Angewandte Chemie - International Edition, 2019, 58, 17827-17833.	7.2	103
59	Synthesis of a Redox-active Metalâ€“Organic Framework MIL-116(Fe) and Its Lithium Ion Battery Cathode Properties. Chemistry Letters, 2019, 48, 1379-1382.	0.7	13
60	Hexakis(2,3,6-tri-O-methyl)-Î±-cyclodextrinâ€“I₅^{â^'} complex in aqueous I^{â^'}/I₃^{â^'} thermocells and enhancement in the Seebeck coefficient. Chemical Science, 2019, 10, 773-780.	3.7	30
61	A Theoretical Basis for the Enhancement of Seebeck Coefficients in Supramolecular Thermocells. Bulletin of the Chemical Society of Japan, 2019, 92, 1142-1147.	2.0	12
62	Demonstration of an azobenzene derivative based solar thermal energy storage system. Journal of Materials Chemistry A, 2019, 7, 15042-15047.	5.2	75
63	Recent Progress in Photon Upconverting Gels. Gels, 2019, 5, 18.	2.1	18
64	Supramolecular Crowding Can Avoid Oxygen Quenching of Photon Upconversion in Water. Chemistry - A European Journal, 2019, 25, 6042-6042.	1.7	0
65	Hierarchical Hybrid Metalâ€“Organic Frameworks: Tuning the Visible/Near-Infrared Optical Properties by a Combination of Porphyrin and Its Isomer Units. Inorganic Chemistry, 2019, 58, 4647-4656.	1.9	16
66	Liquid crystalline microspheres of azobenzene amphiphiles formed by thermally induced pH changes in binary waterâ€“hydrolytic ionic liquid media. Chemical Communications, 2019, 55, 5459-5462.	2.2	2
67	Nonpentacene Polarizing Agents with Improved Air Stability for Triplet Dynamic Nuclear Polarization at Room Temperature. Journal of Physical Chemistry Letters, 2019, 10, 2208-2213.	2.1	31
68	Synthesis of Chiral Labtb and Visualization of Its Enantiomeric Excess by Induced Circular Dichroism Imaging. Chemistry - A European Journal, 2019, 25, 6698-6702.	1.7	18
69	Quasi-thresholdless Photon Upconversion in Metalâ€“Organic Framework Nanocrystals. Nano Letters, 2019, 19, 2169-2177.	4.5	43
70	Transcription of Chirality from Metalâ€“Organic Framework to Polythiophene. Journal of the American Chemical Society, 2019, 141, 19565-19569.	6.6	43
71	Aqueous Photon Upconversion by Anionic Acceptors Self-Assembled on Cationic Bilayer Membranes with a Long Triplet Lifetime. Organic Materials, 2019, 01, 043-049.	1.0	3
72	Oligo(ethylene glycol)/alkylâ€modified Chromophore Assemblies for Photon Upconversion in Water. Chemistry - an Asian Journal, 2019, 14, 1723-1728.	1.7	8

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73	Supramolecular Crowding Can Avoid Oxygen Quenching of Photon Upconversion in Water. Chemistry - A European Journal, 2019, 25, 6124-6130.	1.7	26
74	Hybridizing semiconductor nanocrystals with metalâ€“organic frameworks for visible and near-infrared photon upconversion. Dalton Transactions, 2018, 47, 8590-8594.	1.6	28
75	Aggregation-free sensitizer dispersion in rigid ionic crystals for efficient solid-state photon upconversion and demonstration of defect effects. Journal of Materials Chemistry C, 2018, 6, 5609-5615.	2.7	19
76	Translating MOF chemistry into supramolecular chemistry: soluble coordination nanofibers showing efficient photon upconversion. Chemical Communications, 2018, 54, 6828-6831.	2.2	15
77	Enhancement of Ionic Conductivity in Organic Ionic Plastic Crystals by Introducing Racemic Ammonium Ions. Chemistry Letters, 2018, 47, 497-499.	0.7	10
78	Stimuliâ€Responsive Dualâ€Color Photon Upconversion: A Singletâ€toâ€Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane. Angewandte Chemie, 2018, 130, 2856-2860.	1.6	11
79	Stimuliâ€Responsive Dualâ€Color Photon Upconversion: A Singletâ€toâ€Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane. Angewandte Chemie - International Edition, 2018, 57, 2806-2810.	7.2	28
80	Synthesis and Electric Properties of a Twoâ€Dimensional Metalâ€Organic Framework Based on Phthalocyanine. Chemistry - A European Journal, 2018, 24, 1806-1810.	1.7	105
81	Thermo-electrochemical cells empowered by selective inclusion of redox-active ions by polysaccharides. Sustainable Energy and Fuels, 2018, 2, 472-478.	2.5	35
82	Selective Ionic Conduction in Choline Iodide/Triiodide Solid Electrolyte and Its Application to Thermocells. Chemistry Letters, 2018, 47, 261-264.	0.7	8
83	Specific Uniaxial Self-assembly of Columnar Perylene Liquid Crystals in Au Nanofin Arrays. Chemistry Letters, 2018, 47, 354-357.	0.7	0
84	A supramolecular thermocell consisting of ferrocenecarboxylate and Î²-cyclodextrin that has a negative Seebeck coefficient. Polymer Journal, 2018, 50, 771-774.	1.3	11
85	Innentitelbild: Stimuliâ€Responsive Dualâ€Color Photon Upconversion: A Singletâ€toâ€Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane (Angew. Chem. 11/2018). Angewandte Chemie, 2018, 130, 2778-2778.	1.6	0
86	Highly Fluorescent Metalâ€“Organic-Framework Nanocomposites for Photonic Applications. Nano Letters, 2018, 18, 528-534.	4.5	37
87	Nonpolar-to-Polar Phase Transition of a Chiral Ionic Plastic Crystal and Switch of the Rotation Symmetry. Journal of the American Chemical Society, 2018, 140, 291-297.	6.6	30
88	Two-dimensional structural ordering in a chromophoric ionic liquid for triplet energy migration-based photon upconversion. Physical Chemistry Chemical Physics, 2018, 20, 3233-3240.	1.3	21
89	Reentrant Gelâ€“Solâ€“Gel Transition of a Lipophilic Co(II) Coordination Polymer. Chemistry Letters, 2018, 47, 97-99.	0.7	4
90	Dynamic Nuclear Polarization of Metalâ€“Organic Frameworks Using Photoexcited Triplet Electrons. Journal of the American Chemical Society, 2018, 140, 15606-15610.	6.6	29

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91	Air-Sensitive Photoredox Catalysis Performed under Aerobic Conditions in Gel Networks. Journal of Organic Chemistry, 2018, 83, 7928-7938.	1.7	22
92	Donorâ€“Acceptorâ€“Collector Ternary Crystalline Films for Efficient Solid-State Photon Upconversion. Journal of the American Chemical Society, 2018, 140, 8788-8796.	6.6	57
93	Solid-State Photon Upconversion Materials: Structural Integrity and Tripletâ€“Singlet Dual Energy Migration. Journal of Physical Chemistry Letters, 2018, 9, 4613-4624.	2.1	64
94	Simple and Versatile Platform for Air-Tolerant Photon Upconverting Hydrogels by Biopolymerâ€“Surfactantâ€“Chromophore Co-assembly. Journal of the American Chemical Society, 2018, 140, 10848-10855.	6.6	74
95	Self-assembly of Oligo(ethylene oxide)-linked Diammonium Ions with Polyoxometalates into Ordered Polyhedron Nanocrystals in Aqueous Media. Chemistry Letters, 2017, 46, 430-433.	0.7	0
96	Photoresponsive Nanosheets of Polyoxometalates Formed by Controlled Selfâ€Assembly Pathways. Angewandte Chemie - International Edition, 2017, 56, 2974-2978.	7.2	48
97	Near infrared-to-blue photon upconversion by exploiting direct Sâ€“T absorption of a molecular sensitizer. Journal of Materials Chemistry C, 2017, 5, 5063-5067.	2.7	77
98	Applicability of MIL-101(Fe) as a cathode of lithium ion batteries. Chemical Communications, 2017, 53, 8215-8218.	2.2	75
99	Triplet sensitization by perovskite nanocrystals for photon upconversion. Chemical Communications, 2017, 53, 8261-8264.	2.2	119
100	Photoresponsive Nanosheets of Polyoxometalates Formed by Controlled Selfâ€Assembly Pathways. Angewandte Chemie, 2017, 129, 3020-3024.	1.6	17
101	Sensitizer-Free Photon Upconversion in Single-Component Brominated Aromatic Crystals. ChemistrySelect, 2017, 2, 7597-7601.	0.7	5
102	New Triplet Sensitization Routes for Photon Upconversion: Thermally Activated Delayed Fluorescence Molecules, Inorganic Nanocrystals, and Singlet-to-Triplet Absorption. Accounts of Chemical Research, 2017, 50, 2487-2495.	7.6	245
103	Introduction of Thiourea into Metalâ€“Organic Frameworks by Immersion Technique and Their Phase Transition Characteristics. Chemistry Letters, 2017, 46, 115-117.	0.7	2
104	All-or-none switching of photon upconversion in self-assembled organogel systems. Faraday Discussions, 2017, 196, 305-316.	1.6	29
105	Kinetically controlled crystal growth approach to enhance triplet energy migration-based photon upconversion. Journal of Photonics for Energy, 2017, 8, 1.	0.8	16
106	Peptide nanospheres selfâ€assembled from a modified Î²â€annulus peptide of Sesbania mosaic virus. Biopolymers, 2016, 106, 470-475.	1.2	14
107	Self-assembly of Ni-NTA-modified Î²-annulus peptides into artificial viral capsids and encapsulation of His-tagged proteins. Organic and Biomolecular Chemistry, 2016, 14, 7869-7874.	1.5	32
108	Molecularly Dispersed Donors in Acceptor Molecular Crystals for Photon Upconversion under Low Excitation Intensity. Chemistry - A European Journal, 2016, 22, 2060-2067.	1.7	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. Journal of Materials Chemistry C, 2016, 4, 6447-6451.	2.7	100
110	Triplet energy migration-based photon upconversion by amphiphilic molecular assemblies in aerated water. Chemical Science, 2016, 7, 5224-5229.	3.7	53
111	Preorganized Chromophores Facilitate Triplet Energy Migration, Annihilation and Upconverted Singlet Energy Collection. Journal of the American Chemical Society, 2016, 138, 6541-6549.	6.6	27
112	Hierarchical Self-Assembly of Luminescent Tartrate-Bridged Chiral Binuclear Tb(III) Complexes in Ethanol. Langmuir, 2016, 32, 10597-10603.	1.6	5
113	Supramolecular Thermo-Electrochemical Cells: Enhanced Thermoelectric Performance by Hostâ€“Guest Complexation and Salt-Induced Crystallization. Journal of the American Chemical Society, 2016, 138, 10502-10507.	6.6	139
114	Ferroelectric Coordination Polymers Selfâ€Assembled from Mesogenic Zinc(II) Porphyrin and Dipolar Bridging Ligands. Chemistry - A European Journal, 2016, 22, 14213-14218.	1.7	7
115	Photon Upconversion and Molecular Solar Energy Storage by Maximizing the Potential of Molecular Self-Assembly. Langmuir, 2016, 32, 12304-12322.	1.6	63
116	Employing Coreâ€Shell Quantum Dots as Triplet Sensitizers for Photon Upconversion. Chemistry - A European Journal, 2016, 22, 7721-7726.	1.7	87
117	Near-Infrared-to-Visible Photon Upconversion Sensitized by a Metal Complex with Spin-Forbidden yet Strong S₀â€“T₁ Absorption. Journal of the American Chemical Society, 2016, 138, 8702-8705.	6.6	178
118	Recent emergence of photon upconversion based on triplet energy migration in molecular assemblies. Chemical Communications, 2016, 52, 5354-5370.	2.2	152
119	Photoinduced Crystallization in Ionic Liquids: Photodimerization-induced Equilibrium Shift and Crystal Patterning. Chemistry Letters, 2015, 44, 908-910.	0.7	8
120	Growth of Twoâ€Dimensional Metalâ€“Organic Framework Nanosheet Crystals on Graphite Substrates by Thermal Equilibrium Treatment in Acetic Acid Vapor. ChemNanoMat, 2015, 1, 259-263.	1.5	8
121	Aggregationâ€Induced Photon Upconversion through Control of the Triplet Energy Landscapes of the Solution and Solid States. Angewandte Chemie - International Edition, 2015, 54, 7544-7549.	7.2	67
122	Photonâ€Upconverting Ionic Liquids: Effective Triplet Energy Migration in Contiguous Ionic Chromophore Arrays. Angewandte Chemie - International Edition, 2015, 54, 11550-11554.	7.2	69
123	Photon Upconversion in Supramolecular Gel Matrixes: Spontaneous Accumulation of Light-Harvesting Donorâ€“Acceptor Arrays in Nanofibers and Acquired Air Stability. Journal of the American Chemical Society, 2015, 137, 1887-1894.	6.6	268
124	Fast and long-range triplet exciton diffusion inÂmetalâ€“organic frameworks for photon upconversion at ultralow excitation power. Nature Materials, 2015, 14, 924-930.	13.3	111
125	Highly Efficient Photon Upconversion in Self-Assembled Light-Harvesting Molecular Systems. Scientific Reports, 2015, 5, 10882.	1.6	145
126	Metallonaphthalocyanines as triplet sensitizers for near-infrared photon upconversion beyond 850 nm. Physical Chemistry Chemical Physics, 2015, 17, 22557-22560.	1.3	31

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127	Interlocked dimerization of C₃-Symmetrical boron difluoride complex: designing non-cooperative supramolecular materials for luminescent thin films. RSC Advances, 2015, 5, 60373-60379.	1.7	9
128	An Electropolymerized Crystalline Film Incorporating Axially-Bound Metalloporphycenes: Remarkable Reversibility, Reproducibility, and Coloration Efficiency of Ruthenium(II/III)-Based Electrochromism. Inorganic Chemistry, 2015, 54, 11061-11063.	1.9	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.	7.2	149
130	Thermodynamic Self-Assembly of Two-Dimensional Ï€-Conjugated Metalâ€“Porphyrin Covalent Organic Frameworks by â€œOn-Siteâ€•Equilibrium Polymerization. Journal of Nanoscience and Nanotechnology, 2014, 14, 2211-2216.	0.9	16
131	Light-Reducible Dissipative Nanostructures Formed at the Solidâ€“Liquid Interface. Langmuir, 2014, 30, 14219-14225.	1.6	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.	1.9	13
133	Spectroscopic readout of polyoxometalates' molecular information via self-assembly. Chemical Communications, 2014, 50, 599-601.	2.2	10
134	A liquid azobenzene derivative as a solvent-free solar thermal fuel. Chemical Communications, 2014, 50, 15803-15806.	2.2	120
135	A bis-cyclometalated iridium complex as a benchmark sensitizer for efficient visible-to-UV photon upconversion. Chemical Communications, 2014, 50, 13111-13113.	2.2	80
136	Self-Assembly of Azobenzene Bilayer Membranes in Binary Ionic Liquidâ€“Water Nanostructured Media. Langmuir, 2014, 30, 2376-2384.	1.6	13
137	Coordination Lamellar Nanofibers Consisting of N-(2-Hydroxydodecyl)-substituted Amino Acid and Divalent Copper Cation. Chemistry Letters, 2014, 43, 1031-1033.	0.7	0
138	Design of a Dynamic Polymer Interface for Chiral Discrimination. Journal of the American Chemical Society, 2013, 135, 10282-10285.	6.6	53
139	Controlled Self-Assembly and Luminescence Characteristics of Eu(III) Complexes in Binary Aqueous/Organic Media. Langmuir, 2013, 29, 12930-12935.	1.6	22
140	Photon Upconverting Liquids: Matrix-Free Molecular Upconversion Systems Functioning in Air. Journal of the American Chemical Society, 2013, 135, 19056-19059.	6.6	210
141	Guest-binding behavior of peptide nanocapsules self-assembled from viral peptide fragments. Polymer Journal, 2013, 45, 529-534.	1.3	43
142	Self-assembly and functionalization of lipophilic metal-triazole complexes in various media. Polymer Journal, 2013, 45, 384-390.	1.3	12
143	Formation, Assembly, and Function of Nano- and Micron-Sized Coordination Polymer Particles. Kobunshi Ronbunshu, 2013, 70, 235-241.	0.2	0
144	Redox-active Microcapsules of Cytochrome c Formed at the Ionic Liquidâ€“Water Interface. Chemistry Letters, 2013, 42, 788-790.	0.7	5

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145	Controlled Formation of Microspheres from Ferrocene-derivatized Amino Acids in Binary Aqueous/Organic Media. Chemistry Letters, 2013, 42, 501-503.	0.7	3
146	Biopolymer-Encapsulated Protein Microcapsules Spontaneously Formed at the Ionic Liquidâ€“Water Interface. Biomacromolecules, 2012, 13, 4075-4080.	2.6	22
147	Controlled self-assembly of amphiphiles in ionic liquids and the formation of ionogels by molecular tuning of cohesive energies. Polymer Journal, 2012, 44, 665-671.	1.3	28
148	Controlled Polymerization and Self-Assembly of Halogen-Bridged Diruthenium Complexes in Organic Media and Their Dielectrophoretic Alignment. Journal of the American Chemical Society, 2012, 134, 1192-1199.	6.6	28
149	Chemical liquid deposition of aromatic poly(azomethine)s by spontaneous on-site polycondensation in aqueous solution. Chemical Communications, 2012, 48, 3103.	2.2	14
150	Electrochemically Controlled 2D Assembly of Paddle-Wheel Diruthenium Complexes on the Au(111) Surface and Identification of Their Redox States. Journal of Physical Chemistry C, 2012, 116, 17729-17733.	1.5	7
151	Synthesis of TiO₂ Nanocoral Structures in Ever-Changing Aqueous Reaction Systems. Langmuir, 2012, 28, 2637-2642.	1.6	16
152	Converting molecular information of redox coenzymes via self-assembly. Chemical Communications, 2012, 48, 11106.	2.2	7
153	In Situ STM Investigation of Aromatic Poly(azomethine) Arrays Constructed by â€œOn-Siteâ€• Equilibrium Polymerization. Langmuir, 2012, 28, 13844-13851.	1.6	31
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