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	Interfacial Synthesis of Hollow TiO2Microspheres in Ionic Liquids. Journal of the American Chemical Society, 2003, 125, 6386-6387.	6.6	642
2	Spontaneous Self-Assembly of Glycolipid Bilayer Membranes in Sugar-philic Ionic Liquids and Formation of Ionogels. Langmuir, 2001, 17, 6759-6761.	1.6	320
3	Nanoparticles of Adaptive Supramolecular Networks Self-Assembled from Nucleotides and Lanthanide Ions. Journal of the American Chemical Society, 2009, 131, 2151-2158.	6.6	314
4	Heat-Set Gel-like Networks of Lipophilic Co(II) Triazole Complexes in Organic Media and Their Thermochromic Structural Transitions. Journal of the American Chemical Society, 2004, 126, 2016-2021.	6.6	281
5	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
6	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
7	Photon Upconverting Liquids: Matrix-Free Molecular Upconversion Systems Functioning in Air. Journal of the American Chemical Society, 2013, 135, 19056-19059.	6.6	210
8	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
9	Hierarchical Self-Assembly of Chiral Complementary Hydrogen-Bond Networks in Water:â€‰ Reconstitution of Supramolecular Membranes. Journal of the American Chemical Society, 2001, 123, 6792-6800.	6.6	172
10	Tube-like Nanostructures Composed of Networks of Complementary Hydrogen Bonds. Journal of the American Chemical Society, 1995, 117, 6360-6361.	6.6	165
11	Thermodynamically Controlled Self-Assembly of Covalent Nanoarchitectures in Aqueous Solution. ACS Nano, 2011, 5, 3923-3929.	7.3	162
12	Light-Harvesting Supramolecular Hydrogels Assembled from Short-Legged Cationic L-Glutamate Derivatives and Anionic Fluorophores. Advanced Materials, 2002, 14, 1113.	11.1	156
13	Recent emergence of photon upconversion based on triplet energy migration in molecular assemblies. Chemical Communications, 2016, 52, 5354-5370.	2.2	152
14	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
15	Self-organization of bilayer membranes from amphiphilic networks of complementary hydrogen bonds. Journal of the American Chemical Society, 1993, 115, 4387-4388.	6.6	146
16	Artificial Peptide-Nanospheres Self-Assembled from Three-Way Junctions of Î²-Sheet-Forming Peptides. Journal of the American Chemical Society, 2005, 127, 10148-10149.	6.6	145
17	Highly Efficient Photon Upconversion in Self-Assembled Light-Harvesting Molecular Systems. Scientific Reports, 2015, 5, 10882.	1.6	145
18	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

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19	Supramolecular Membranes. Spontaneous Assembly of Aqueous Bilayer Membrane via Formation of Hydrogen Bonded Pairs of Melamine and Cyanuric Acid Derivatives. Journal of the American Chemical Society, 1998, 120, 4094-4104.	6.6	136
20	Controlled Formation of Smaller Gold Nanoparticles by the Use of Four-Chained Disulfide Stabilizer. Langmuir, 2001, 17, 271-273.	1.6	135
21	A liquid azobenzene derivative as a solvent-free solar thermal fuel. Chemical Communications, 2014, 50, 15803-15806.	2.2	120
22	Triplet sensitization by perovskite nanocrystals for photon upconversion. Chemical Communications, 2017, 53, 8261-8264.	2.2	119
23	Self-Organized Superstructures of Fluorocarbon-Stabilized Silver Nanoparticles. Advanced Materials, 2001, 13, 140-142.	11.1	117
24	Confining Molecules within Aqueous Coordination Nanoparticles by Adaptive Molecular Selfâ€Assembly. Angewandte Chemie - International Edition, 2009, 48, 9465-9468.	7.2	111
25	Selfâ€Assembled Synthetic Viral Capsids from a 24â€mer Viral Peptide Fragment. Angewandte Chemie - International Edition, 2010, 49, 9662-9665.	7.2	111
26	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
27	Bilayer membranes of triple-chain ammonium amphiphiles. Journal of the American Chemical Society, 1984, 106, 1978-1983.	6.6	108
28	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
29	Nearâ€Infrared Optogenetic Genome Engineering Based on Photonâ€Upconversion Hydrogels. Angewandte Chemie - International Edition, 2019, 58, 17827-17833.	7.2	103
30	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
31	Ionic Liquids Induced Structural Changes of Bovine Serum Albumin in Aqueous Media: A Detailed Physicochemical and Spectroscopic Study. Journal of Physical Chemistry B, 2012, 116, 11924-11935.	1.2	96
32	ATP as Building Blocks for the Self-Assembly of Excitonic Nanowires. Journal of the American Chemical Society, 2005, 127, 1358-1359.	6.6	92
33	Organic two-dimensional templates for the fabrication of inorganic nanostructures: Organic/inorganic superlattices. Advanced Materials, 1996, 8, 89-91.	11.1	91
34	Employing Coreâ€Shell Quantum Dots as Triplet Sensitizers for Photon Upconversion. Chemistry - A European Journal, 2016, 22, 7721-7726.	1.7	87
35	Towards Self-Assembling Inorganic Molecular Wires. Advanced Materials, 2000, 12, 1461-1463.	11.1	81
36	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

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37	Direct Preparation and Size Control of Palladium Nanoparticle Hydrosols by Water-Soluble Isocyanide Ligands. Langmuir, 2001, 17, 4701-4703.	1.6	78
38	Metal Coating of DNA Molecules by Cationic, Metastable Gold Nanoparticles. Chemistry Letters, 2002, 31, 1172-1173.	0.7	78
39	Photoresponsive molecular wires of FeII triazole complexes in organic media and light-induced morphological transformations. Chemical Communications, 2006, , 2442.	2.2	78
40	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
41	Conversion of Molecular Information by Luminescent Nanointerface Self-Assembled from Amphiphilic Tb(III) Complexes. Journal of the American Chemical Society, 2011, 133, 17370-17374.	6.6	76
42	Applicability of MIL-101(Fe) as a cathode of lithium ion batteries. Chemical Communications, 2017, 53, 8215-8218.	2.2	75
43	Demonstration of an azobenzene derivative based solar thermal energy storage system. Journal of Materials Chemistry A, 2019, 7, 15042-15047.	5.2	75
44	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
45	Preparation of Highly Positively Charged Silver Nanoballs and Their Stability. Langmuir, 2000, 16, 5218-5220.	1.6	73
46	One-Pot Room-Temperature Synthesis of Single-Crystalline Gold Nanocorolla in Water. Journal of the American Chemical Society, 2009, 131, 14407-14412.	6.6	72
47	Vesicles in Salt: Formation of Bilayer Membranes from Dialkyldimethylammonium Bromides in Ether-containing Ionic Liquids. Chemistry Letters, 2002, 31, 1018-1019.	0.7	71
48	Photonâ€Upconverting Ionic Liquids: Effective Triplet Energy Migration in Contiguous Ionic Chromophore Arrays. Angewandte Chemie - International Edition, 2015, 54, 11550-11554.	7.2	69
49	Lipid-Packaged Linear Iron(II) Triazole Complexes in Solution: Controlled Spin Conversion via Solvophobic Self-Assembly. Journal of the American Chemical Society, 2008, 130, 5622-5623.	6.6	68
50	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
51	Switching On Luminescence in Nucleotide/Lanthanide Coordination Nanoparticles via Synergistic Interactions with a Cofactor Ligand. Chemistry - A European Journal, 2010, 16, 3604-3607.	1.7	65
52	Gelation of Ionic Liquids with a Low Molecular-Weight Gelator ShowingTgelabove 100 Â°C. Chemistry Letters, 2001, 30, 1154-1155.	0.7	64
53	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
54	Supramolecular control of spin-crossover phenomena in lipophilic Fe(II)-1,2,4-triazole complexes. Journal of Polymer Science Part A, 2006, 44, 5192-5202.	2.5	63

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55	Photon Upconversion and Molecular Solar Energy Storage by Maximizing the Potential of Molecular Self-Assembly. Langmuir, 2016, 32, 12304-12322.	1.6	63
56	Self-Assembling Molecular Wires of Halogen-Bridged Platinum Complexes in Organic Media. Mesoscopic Supramolecular Assemblies Consisting of a Mixed Valent Pt(II)/Pt(IV) Complex and Anionic Amphiphiles. Inorganic Chemistry, 2000, 39, 2684-2689.	1.9	62
57	New Colorimetric Detection of Glucose by Means of Electron-Accepting Indicators: Ligand Substitution of [Fe(acac)3â^'n(phen)n]n+ Complexes Triggered by Electron Transfer from Glucose Oxidase. Chemistry - A European Journal, 2002, 8, 5580-5584.	1.7	61
58	Formation of Uniform Fluorinated Gold Nanoparticles and Their Highly Ordered Hexagonally Packed Monolayer. Langmuir, 2001, 17, 2291-2293.	1.6	59
59	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
60	Selective inclusion of anionic quantum dots in coordination network shells of nucleotides and lanthanide ions. Chemical Communications, 2010, 46, 4333.	2.2	55
61	Thermocells Driven by Phase Transition of Hydrogel Nanoparticles. Journal of the American Chemical Society, 2020, 142, 17318-17322.	6.6	54
62	Design of a Dynamic Polymer Interface for Chiral Discrimination. Journal of the American Chemical Society, 2013, 135, 10282-10285.	6.6	53
63	Triplet energy migration-based photon upconversion by amphiphilic molecular assemblies in aerated water. Chemical Science, 2016, 7, 5224-5229.	3.7	53
64	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
65	Self-assembly-directed Spin Conversion of Iron(II) 1,2,4-Triazole Complexes in Solution and Their Effect on Photorelaxation Processes of Fluorescent Counter Ions. Chemistry Letters, 2008, 37, 446-447.	0.7	51
66	Molecular Dispersion of Chains in the Mixed-Valence Complexes [M(en)2][MCl2(en)2] (M: Pt, Pd, Ni) and Anionic Amphiphiles in Organic Media. Angewandte Chemie - International Edition, 2000, 39, 389-391.	7.2	50
67	Pillared honeycomb nanoarchitectures formed on solid surfaces by the self-assembly of lipid-packaged one-dimensional Pt complexes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4922-4926.	3.3	49
68	Photoresponsive Nanosheets of Polyoxometalates Formed by Controlled Selfâ€Assembly Pathways. Angewandte Chemie - International Edition, 2017, 56, 2974-2978.	7.2	48
69	Stimuliâ€Responsive Molecular Photon Upconversion. Angewandte Chemie - International Edition, 2020, 59, 10252-10264.	7.2	48
70	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
71	Controlled self-assembly of nucleotideâ€"lanthanide complexes: specific formation of nanofibers from dimeric guanine nucleotides. Chemical Communications, 2008, , 6534.	2.2	46
72	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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73	Spin Statistics for Tripletâ€“Triplet Annihilation Upconversion: Exchange Coupling, Intermolecular Orientation, and Reverse Intersystem Crossing. Jacs Au, 2021, 1, 2188-2201.	3.6	44
74	Spin crossover characteristics of nanofibrous FeII-1,2,4-triazole complexes in liquid crystals. Chemical Communications, 2010, 46, 1229.	2.2	43
75	Guest-binding behavior of peptide nanocapsules self-assembled from viral peptide fragments. Polymer Journal, 2013, 45, 529-534.	1.3	43
76	Quasi-thresholdless Photon Upconversion in Metalâ€“Organic Framework Nanocrystals. Nano Letters, 2019, 19, 2169-2177.	4.5	43
77	Transcription of Chirality from Metalâ€“Organic Framework to Polythiophene. Journal of the American Chemical Society, 2019, 141, 19565-19569.	6.6	43
78	Visible-to-UV Photon Upconversion Sensitized by Lead Halide Perovskite Nanocrystals. Chemistry Letters, 2019, 48, 1347-1350.	0.7	42
79	?-Helical Polypeptide Microcapsules Formed by Emulsion-Templated Self-Assembly. Chemistry - A European Journal, 2005, 11, 1574-1578.	1.7	41
80	Amplification of Molecular Information through Selfâ€Assembly: Nanofibers Formed from Amino Acids and Cyanine Dyes by Extended Molecular Pairing. Angewandte Chemie - International Edition, 2008, 47, 106-108.	7.2	37
81	Highly Fluorescent Metalâ€“Organic-Framework Nanocomposites for Photonic Applications. Nano Letters, 2018, 18, 528-534.	4.5	37
82	Ultrathin Gold Nanosheets Formed by Photoreduction at the Ionic Liquid/Water Interface. Chemistry Letters, 2005, 34, 1234-1235.	0.7	35
83	Thermo-electrochemical cells empowered by selective inclusion of redox-active ions by polysaccharides. Sustainable Energy and Fuels, 2018, 2, 472-478.	2.5	35
84	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
85	Formation of Stable Bilayer Membranes in Binary Aqueousâ^'Organic Media from a Dialkyl Amphiphile with a Highly Dipolar Head Group1. Journal of the American Chemical Society, 1996, 118, 5808-5809.	6.6	34
86	Lectin-mediated Supramolecular Junctions of Galactose-derivatized Single-walled Carbon Nanotubes. Chemistry Letters, 2003, 32, 212-213.	0.7	34
87	Trigonal tryptophane zipper as a novel building block for pH-responsive peptide nano-assemblies. Chemical Communications, 2011, 47, 265-267.	2.2	34
88	Specific assemblies of the naphthalene unit in monolayers and the consequent control of energy transfer. Journal of the American Chemical Society, 1989, 111, 3758-3759.	6.6	33
89	Supramolecular Assemblies Comprised of One-Dimensional Mixed Valence Platinum Complex and Anionic Amphiphiles in Organic Media. Chemistry Letters, 1998, 27, 695-696.	0.7	33
90	Self-Assembly of Nanofiber with Uniform Width from Wheel-Type Trigonal-Î²-Sheet-Forming Peptide. Biomacromolecules, 2008, 9, 913-918.	2.6	33

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91	Spontaneous self-assembly of nanospheres from trigonal conjugate of glutathione in water. Soft Matter, 2009, 5, 2463.	1.2	33
92	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
93	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
94	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
95	In Situ Observation of Spherical DNA Assembly in Water and the Controlled Release of Bound Dyes. Biomacromolecules, 2007, 8, 2726-2732.	2.6	31
96	In Situ STM Investigation of Aromatic Poly(azomethine) Arrays Constructed by â€œOn-Siteâ€• Equilibrium Polymerization. Langmuir, 2012, 28, 13844-13851.	1.6	31
97	Metallonaphthalocyanines as triplet sensitizers for near-infrared photon upconversion beyond 850 nm. Physical Chemistry Chemical Physics, 2015, 17, 22557-22560.	1.3	31
98	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
99	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
100	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
101	Spatially Controlled Synthesis of Protein/Inorganic Nano-assembly: Alternate Molecular Layers of Cytcand TiO2Nanoparticles. Chemistry Letters, 1999, 28, 1333-1334.	0.7	29
102	Holey Gold Nanowires Formed by Photoconversion of Dissipative Nanostructures Emerged at the Aqueousâ€“Organic Interface. Small, 2009, 5, 2043-2047.	5.2	29
103	All-or-none switching of photon upconversion in self-assembled organogel systems. Faraday Discussions, 2017, 196, 305-316.	1.6	29
104	Dynamic Nuclear Polarization of Metalâ€“Organic Frameworks Using Photoexcited Triplet Electrons. Journal of the American Chemical Society, 2018, 140, 15606-15610.	6.6	29
105	Mobile supported monolayers of ionic amphiphiles: variation of domain morphology via preadsorbed polyelectrolytes. Langmuir, 1992, 8, 1360-1365.	1.6	28
106	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
107	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
108	Hybridizing semiconductor nanocrystals with metalâ€“organic frameworks for visible and near-infrared photon upconversion. Dalton Transactions, 2018, 47, 8590-8594.	1.6	28

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109	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
110	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
111	Liquidâ€Based Multijunction Molecular Solar Thermal Energy Collection Device. Advanced Science, 2021, 8, e2103060.	5.6	27
112	Controlled morphology and photoreduction characteristics of polyoxometalate(POM)/lipid complexes and the effect of hydrogen bonding at molecular interfaces. Chemical Communications, 2011, 47, 6455.	2.2	26
113	Photon Upconverting Solid Films with Improved Efficiency for Endowing Perovskite Solar Cells with Nearâ€Infrared Sensitivity. ChemPhotoChem, 2020, 4, 5271-5278.	1.5	26
114	Materials chemistry of triplet dynamic nuclear polarization. Chemical Communications, 2020, 56, 7217-7232.	2.2	26
115	Supramolecular Crowding Can Avoid Oxygen Quenching of Photon Upconversion in Water. Chemistry - A European Journal, 2019, 25, 6124-6130.	1.7	26
116	Self-assembly in mesoscopic dimension and artificial supramolecular membranes. Current Opinion in Chemical Biology, 2003, 7, 702-709.	2.8	24
117	Binding of lectins to DNA micro-assemblies: Modification of nucleo-cages with lactose-conjugated psoralen. Bioorganic and Medicinal Chemistry, 2007, 15, 4311-4317.	1.4	24
118	Water/Ionic Liquid Interfaces as Fluid Scaffolds for the Two-Dimensional Self-Assembly of Charged Nanospheres. Langmuir, 2011, 27, 1281-1285.	1.6	24
119	One-pot alkaline vapor oxidation synthesis and electrocatalytic activity towards glucose oxidation of CuO nanobelt arrays. RSC Advances, 2011, 1, 187.	1.7	24
120	Supramolecular Thermocells Based on Thermo-Responsiveness of Hostâ€“Guest Chemistry. Bulletin of the Chemical Society of Japan, 2021, 94, 1525-1546.	2.0	24
121	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
122	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
123	Molecular orientation of azobenzene amphiphiles in surface monolayers and Langmuirâ€”Blodgett multilayers. Colloids and Surfaces, 1989, 38, 79-91.	0.9	22
124	Formation of an Isolated Spherical Three-Dimensional Nanoparticle Assembly as Stable Submicrometer-Sized Units by Using an Inorganic Wrapping Technique. Advanced Materials, 2003, 15, 499-503.	11.1	22
125	Glutathione Nanosphere: Self-Assembly of Conformation-Regulated Trigonal-Glutathiones in Water. Bulletin of the Chemical Society of Japan, 2010, 83, 880-886.	2.0	22
126	Biopolymer-Encapsulated Protein Microcapsules Spontaneously Formed at the Ionic Liquidâ€“Water Interface. Biomacromolecules, 2012, 13, 4075-4080.	2.6	22

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127	Controlled Self-Assembly and Luminescence Characteristics of Eu(III) Complexes in Binary Aqueous/Organic Media. Langmuir, 2013, 29, 12930-12935.	1.6	22
128	Air-Sensitive Photoredox Catalysis Performed under Aerobic Conditions in Gel Networks. Journal of Organic Chemistry, 2018, 83, 7928-7938.	1.7	22
129	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
130	Solvatochromic Nanowires Self-assembled from Cationic, Chloro-bridged Linear Platinum Complexes and Anionic Amphiphiles. Chemistry Letters, 2002, 31, 1252-1253.	0.7	21
131	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
132	Triplet dynamic nuclear polarization of crystalline ice using water-soluble polarizing agents. Chemical Communications, 2020, 56, 3717-3720.	2.2	21
133	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
134	AFM Observation of Organogel Nanostructures on Graphite in the Gel-Assisted Transfer Technique. Chemistry Letters, 1998, 27, 967-968.	0.7	20
135	Visibleâ€toâ€UV Photon Upconversion in Nanostructured Chromophoric Ionic Liquids. ChemistryOpen, 2020, 9, 14-17.	0.9	20
136	Mesoscopic Sheets of a Cyano-Bridged Cuï£¿Ni Coordination Complex: Template Synthesis at the Interlayers of Cast Multibilayer Films. Angewandte Chemie International Edition in English, 1995, 33, 2483-2485.	4.4	19
137	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
138	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
139	Acid-Base Equilibria of Merocyanine Air-Water Monolayers. Langmuir, 1994, 10, 3743-3748.	1.6	18
140	Aqueous Nanospheres Self-Assembled from Hyperbranched Polymers and Silver Ions: Molecular Inclusion and Photoreduction Characteristics. Macromolecules, 2010, 43, 8971-8976.	2.2	18
141	Recent Progress in Photon Upconverting Gels. Gels, 2019, 5, 18.	2.1	18
142	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
143	Thermal Stability and Specific Dye Binding of a Hydrogen-Bond-Mediated Bilayer Membrane. Chemistry Letters, 1994, 23, 33-36.	0.7	17
144	Calix[4]arene-Mediated Transport of Alkali Ions Across Synthetic Black Lipid Membranes (BLM). Bulletin of the Chemical Society of Japan, 1996, 69, 3681-3684.	2.0	17

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145	Preparation and Reactivity of Vitamin B12â€“TiO2 Hybrid Catalyst Immobilized on a Glass Plate. Bulletin of the Chemical Society of Japan, 2010, 83, 170-172.	2.0	17
146	Photoresponsive Nanosheets of Polyoxometalates Formed by Controlled Selfâ€Assembly Pathways. Angewandte Chemie, 2017, 129, 3020-3024.	1.6	17
147	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
148	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
149	Controlled Formation of CdS Particles in Multibilayer Cast Films of Amphiphilic Cyclams. Chemistry Letters, 1991, 20, 2039-2042.	0.7	16
150	Synthesis of TiO₂ Nanocoral Structures in Ever-Changing Aqueous Reaction Systems. Langmuir, 2012, 28, 2637-2642.	1.6	16
151	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
152	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
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