

Peng-Fei Duan

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111 papers	5,063 citations	39 h-index	69 g-index
119 ext. papers	6,501 ext. citations	8.7 avg, IF	6.45 L-index

#	Paper	IF	Citations
111	Circularly Polarized Luminescence in Nanoassemblies: Generation, Amplification, and Application. <i>Advanced Materials</i> , 2020 , 32, e1900110	24	283
110	Chirality and energy transfer amplified circularly polarized luminescence in composite nanohelix. <i>Nature Communications</i> , 2017 , 8, 15727	17.4	261
109	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, 1887-94	16.4	229
108	Self-Assembled Luminescent Quantum Dots To Generate Full-Color and White Circularly Polarized Light. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12174-12178	16.4	222
107	Gelation induced supramolecular chirality: chirality transfer, amplification and application. <i>Soft Matter</i> , 2014 , 10, 5428-48	3.6	188
106	Photon upconverting liquids: matrix-free molecular upconversion systems functioning in air. <i>Journal of the American Chemical Society</i> , 2013 , 135, 19056-9	16.4	185
105	Full-Color Tunable Circularly Polarized Luminescent Nanoassemblies of Achiral AIEgens in Confined Chiral Nanotubes. <i>Advanced Materials</i> , 2017 , 29, 1606503	24	181
104	Amplification of Circularly Polarized Luminescence through Triplet-Triplet Annihilation-Based Photon Upconversion. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9783-9786	16.4	143
103	Endowing Perovskite Nanocrystals with Circularly Polarized Luminescence. <i>Advanced Materials</i> , 2018 , 30, e1705011	24	139
102	Cooperative Chirality and Sequential Energy Transfer in a Supramolecular Light-Harvesting Nanotube. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 844-848	16.4	124
101	Multiresponsive chiroptical switch of an azobenzene-containing lipid: solvent, temperature, and photoregulated supramolecular chirality. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 3322-9	3.4	112
100	New Perspectives to Trigger and Modulate Circularly Polarized Luminescence of Complex and Aggregated Systems: Energy Transfer, Photon Upconversion, Charge Transfer, and Organic Radical. <i>Accounts of Chemical Research</i> , 2020 , 53, 1279-1292	24.3	100
99	Boosting the circularly polarized luminescence of small organic molecules multi-dimensional morphology control. <i>Chemical Science</i> , 2019 , 10, 6821-6827	9.4	97
98	Enhanced Circularly Polarized Luminescence in Emissive Charge-Transfer Complexes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7013-7019	16.4	97
97	Hierarchical self-assembly of amphiphilic peptide dendrons: evolution of diverse chiral nanostructures through hydrogel formation over a wide pH range. <i>Chemistry - A European Journal</i> , 2011 , 17, 6389-95	4.8	96
96	Self-assembled ultralong chiral nanotubes and tuning of their chirality through the mixing of enantiomeric components. <i>Chemistry - A European Journal</i> , 2010 , 16, 8034-40	4.8	95
95	Amphiphilic Schiff base organogels: metal-ion-mediated chiral twists and chiral recognition. <i>Chemistry - A European Journal</i> , 2012 , 18, 4916-22	4.8	88

94	Photon-upconverting chiral liquid crystal: significantly amplified upconverted circularly polarized luminescence. <i>Chemical Science</i> , 2019 , 10, 172-178	9.4	86
93	Regulation of the chiral twist and supramolecular chirality in co-assemblies of amphiphilic L-glutamic acid with bipyridines. <i>Chemistry - A European Journal</i> , 2011 , 17, 3429-37	4.8	77
92	Universal chiral twist via metal ion induction in the organogel of terephthalic acid substituted amphiphilic L-glutamide. <i>Chemical Communications</i> , 2012 , 48, 7501-3	5.8	75
91	Optically Active Upconverting Nanoparticles with Induced Circularly Polarized Luminescence and Enantioselectively Triggered Photopolymerization. <i>ACS Nano</i> , 2019 , 13, 2804-2811	16.7	74
90	Two-Photon Absorption-Based Upconverted Circularly Polarized Luminescence Generated in Chiral Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3290-3295	6.4	70
89	Enhanced Circularly Polarized Luminescence from Reorganized Chiral Emitters on the Skeleton of a Zeolitic Imidazolate Framework. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4978-4982	16.4	70
88	Design and self-assembly of L-glutamate-based aromatic dendrons as ambidextrous gelators of water and organic solvents. <i>Langmuir</i> , 2009 , 25, 8706-13	4	69
87	A bis-cyclometalated iridium complex as a benchmark sensitizer for efficient visible-to-UV photon upconversion. <i>Chemical Communications</i> , 2014 , 50, 13111-3	5.8	65
86	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, 7544-9	16.4	62
85	Electric-Field-Regulated Energy Transfer in Chiral Liquid Crystals for Enhancing Upconverted Circularly Polarized Luminescence through Steering the Photonic Bandgap. <i>Advanced Materials</i> , 2020 , 32, e2000820	24	60
84	Circularly Polarized Luminescence of Achiral Cyanine Molecules Assembled on DNA Templates. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9490-9494	16.4	58
83	A metal ion triggered shrinkable supramolecular hydrogel and controlled release by an amphiphilic peptide dendron. <i>Chemical Communications</i> , 2013 , 49, 10823-5	5.8	54
82	Control over the emerging chirality in supramolecular gels and solutions by chiral microvortices in milliseconds. <i>Nature Communications</i> , 2018 , 9, 2599	17.4	53
81	Isomeric effect in the self-assembly of pyridine-containing L-glutamic lipid: substituent position controlled morphology and supramolecular chirality. <i>Chemical Communications</i> , 2011 , 47, 5569-71	5.8	52
80	Self-assembly of π -conjugated gelators into emissive chiral nanotubes: emission enhancement and chiral detection. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 770-8	4.5	48
79	Self-assembled organic nanotubes through instant gelation and universal capacity for guest molecule encapsulation. <i>Chemistry - A European Journal</i> , 2012 , 18, 5546-50	4.8	47
78	Frontiers in circularly polarized luminescence: molecular design, self-assembly, nanomaterials, and applications. <i>Science China Chemistry</i> , 2021 , 64, 2060	7.9	46
77	(R)-Binaphthyl derivatives as chiral dopants: substituent position controlled circularly polarized luminescence in liquid crystals. <i>Chemical Communications</i> , 2019 , 55, 5914-5917	5.8	45

76	Dual Upconverted and Downconverted Circularly Polarized Luminescence in Donor-Acceptor Assemblies. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9357-9361	16.4	44
75	Self-Assembled Luminescent Quantum Dots To Generate Full-Color and White Circularly Polarized Light. <i>Angewandte Chemie</i> , 2017 , 129, 12342-12346	3.6	44
74	Hierarchical co-assembly of chiral lipid nanotubes with an azobenzene derivative: optical and chiroptical switching. <i>Soft Matter</i> , 2011 , 7, 4654	3.6	40
73	Chirality amplification of porphyrin assemblies exclusively constructed from achiral porphyrin derivatives. <i>ChemPhysChem</i> , 2006 , 7, 2419-23	3.2	39
72	Towards homochiral supramolecular entities from achiral molecules by vortex mixing-accompanied self-assembly. <i>Chemical Science</i> , 2019 , 10, 2718-2724	9.4	37
71	Light-triggered self-assembly of a cyanostilbene-conjugated glutamide from nanobelts to nanotoroids and inversion of circularly polarized luminescence. <i>Chemical Communications</i> , 2018 , 54, 4513-4516	5.8	37
70	Organogelation-controlled topochemical [2+2] cycloaddition and morphological changes: from nanofiber to peculiar coaxial hollow toruloid-like nanostructures. <i>Chemistry - A European Journal</i> , 2013 , 19, 16072-9	4.8	36
69	Stoichiometry-controlled inversion of circularly polarized luminescence in co-assembly of chiral gelators with an achiral tetraphenylethylene derivative. <i>Chemical Communications</i> , 2019 , 55, 2194-2197	5.8	35
68	Sequentially amplified circularly polarized ultraviolet luminescence for enantioselective photopolymerization. <i>Nature Communications</i> , 2020 , 11, 5659	17.4	35
67	Proton triggered circularly polarized luminescence in orthogonal- and co-assemblies of chiral gelators with achiral perylene bisimide. <i>Chemical Communications</i> , 2018 , 54, 5630-5633	5.8	34
66	Fabrication of organogels composed from carbon nanotubes through a supramolecular approach. <i>New Journal of Chemistry</i> , 2010 , 34, 2847	3.6	34
65	Long-Persistent Circularly Polarized Phosphorescence from Chiral Organic Ionic Crystals. <i>Chemistry - A European Journal</i> , 2018 , 24, 17444-17448	4.8	33
64	Hierarchically Chiral Lattice Self-Assembly Induced Circularly Polarized Luminescence. <i>ACS Nano</i> , 2020 , 14, 3190-3198	16.7	31
63	A peptide dendron-based shrinkable metallo-hydrogel for charged species separation and stepwise release of drugs. <i>Chemistry - A European Journal</i> , 2014 , 20, 15419-25	4.8	31
62	Langmuir-Blodgett films and chiroptical switch of an azobenzene-containing dendron regulated by the in situ host-guest reaction at the air/water interface. <i>Langmuir</i> , 2011 , 27, 1326-31	4	31
61	Photon Upconverted Circularly Polarized Luminescence via Triplet-Triplet Annihilation. <i>Advanced Materials</i> , 2019 , 31, e1805683	24	31
60	Circularly Polarized Luminescence from a Pyrene-Cyclodextrin Supra-Dendron. <i>Langmuir</i> , 2018 , 34, 5821-5830	15.8	30
59	Self-Assembling Nanotubes Consisting of Rigid Cyclic Peptides. <i>Advanced Functional Materials</i> , 2012 , 22, 3051-3056	15.6	29

58	Chiral Platinum-Based Metallomesogens with Highly Efficient Circularly Polarized Electroluminescence in Solution-Processed Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2020 , 8, 2000775	8.1	29
57	Circularly polarized luminescence of achiral open-shell radicals. <i>Chemical Communications</i> , 2019 , 55, 6583-6586	5.8	28
56	Hierarchical Self-Assembly and Chiroptical Studies of Luminescent 4d-4f Cages. <i>Inorganic Chemistry</i> , 2018 , 57, 7982-7992	5.1	28
55	Nanotrumpets and circularly polarized luminescent nanotwists hierarchically self-assembled from an achiral C-symmetric ester. <i>Chemical Communications</i> , 2018 , 54, 4025-4028	5.8	27
54	Cooperative Chirality and Sequential Energy Transfer in a Supramolecular Light-Harvesting Nanotube. <i>Angewandte Chemie</i> , 2019 , 131, 854-858	3.6	27
53	Solvent-Regulated Self-Assembly of an Achiral Donor-Acceptor Complex in Confined Chiral Nanotubes: Chirality Transfer, Inversion and Amplification. <i>Chemistry - A European Journal</i> , 2017 , 23, 8225-8231	4.8	26
52	Enhanced Circularly Polarized Luminescence in Emissive Charge-Transfer Complexes. <i>Angewandte Chemie</i> , 2019 , 131, 7087-7093	3.6	26
51	All-or-none switching of photon upconversion in self-assembled organogel systems. <i>Faraday Discussions</i> , 2017 , 196, 305-316	3.6	25
50	Circularly polarized luminescence of nanoassemblies via multi-dimensional chiral architecture control. <i>Nanoscale</i> , 2020 , 12, 19497-19515	7.7	25
49	Towards a universal organogelator: A general mixing approach to fabricate various organic compounds into organogels. <i>Science China Chemistry</i> , 2011 , 54, 1051-1063	7.9	24
48	Enhanced Circularly Polarized Luminescence from Reorganized Chiral Emitters on the Skeleton of a Zeolitic Imidazolate Framework. <i>Angewandte Chemie</i> , 2019 , 131, 5032-5036	3.6	22
47	Photopolymerization and formation of a stable purple Langmuir-Blodgett film based on the gemini-type amphiphilic diacetylene derivatives. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 8871-8	3.4	22
46	Circularly polarized luminescence in chiral nematic liquid crystals: generation and amplification. <i>Materials Chemistry Frontiers</i> ,	7.8	22
45	Amplifying Dissymmetry Factor of Upconverted Circularly Polarized Luminescence through Chirality-Induced Spin Polarization in the Photon Upconversion Process. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 311-317	6.4	21
44	Dual Upconverted and Downconverted Circularly Polarized Luminescence in Donor-Acceptor Assemblies. <i>Angewandte Chemie</i> , 2018 , 130, 9501-9505	3.6	20
43	Dual-Mode Induction of Tunable Circularly Polarized Luminescence from Chiral Metal-Organic Frameworks. <i>Research</i> , 2020 , 2020, 6452123	7.8	20
42	Aggregation-Induced Photon Upconversion through Control of the Triplet Energy Landscapes of the Solution and Solid States. <i>Angewandte Chemie</i> , 2015 , 127, 7654-7659	3.6	19
41	Steering Nanohelix and Upconverted Circularly Polarized Luminescence by Using Completely Achiral Components. <i>ACS Nano</i> , 2021 , 15, 2753-2761	16.7	18

40	Doublet-Triplet Energy Transfer-Dominated Photon Upconversion. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5865-5870	6.4	17
39	Self-assembly of L-glutamate based aromatic dendrons through the air/water interface: morphology, photodimerization and supramolecular chirality. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 4383-9	3.6	16
38	Dynamic Evolution of Coaxial Nanotoruloid in the Self-Assembled Naphthyl-Containing L-Glutamide. <i>Langmuir</i> , 2016 , 32, 12534-12541	4	16
37	Structural Insights Into 9-Styrylanthracene-Based Luminophores: Geometry Control Versus Mechanofluorochromism and Sensing Properties. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 830-834	4.5	15
36	Improving the Overall Properties of Circularly Polarized Luminescent Materials Through Arene-Perfluoroarene Interactions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4575-4580	16.4	14
35	Preparation of optical active polydiacetylene through gelating and the control of supramolecular chirality. <i>Science China Chemistry</i> , 2010 , 53, 432-437	7.9	13
34	Multi-Light-Responsive Upconversion-and-Downshifting-Based Circularly Polarized Luminescent Switches in Chiral Metal-Organic Frameworks. <i>Advanced Materials</i> , 2021 , 33, e2101797	24	13
33	Optically active quantum dots with induced circularly polarized luminescence in amphiphilic peptide dendron hydrogel. <i>Nanoscale Advances</i> , 2019 , 1, 508-512	5.1	12
32	Chiral Luminescent Liquid Crystal with Multi-State-Reversibility: Breakthrough in Advanced Anti-Counterfeiting Materials.. <i>Advanced Science</i> , 2022 , e2201565	13.6	12
31	Mechanically Controlled and Consecutively Boosted Circularly Polarized Luminescence of Nanoassemblies from Achiral Molecules. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 17274-17281	3.8	11
30	The chiral amine triggered self-assembly of achiral emissive molecules into circularly polarized luminescent supramolecular assemblies. <i>Chemical Communications</i> , 2019 , 55, 11135-11138	5.8	10
29	Interfacial assembly of a series of trigonal Schiff base amphiphiles in organized molecular films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 407, 108-115	5.1	10
28	Photoswitchable Photon Upconversion from Turn-on Mode Fluorescent Diarylethenes. <i>CCS Chemistry</i> , 2021 , 3, 665-674	7.2	10
27	Photon upconversion in organic nanoparticles and subsequent amplification by plasmonic silver nanowires. <i>Nanoscale</i> , 2018 , 10, 985-991	7.7	10
26	Interfacial assembly and host-guest interaction of anthracene-conjugated l-glutamate dendron with cyclodextrin at the air/water interface. <i>Chinese Chemical Letters</i> , 2014 , 25, 487-490	8.1	7
25	Highly efficient photon upconversion based on triplet-triplet annihilation from bichromophoric annihilators. <i>Journal of Materials Chemistry C</i> ,	7.1	7
24	A new strategy to achieve enhanced upconverted circularly polarized luminescence in chiral perovskite nanocrystals. <i>Nano Research</i> , 1	10	6
23	Steering Triplet-Triplet Annihilation Upconversion through Enantioselective Self-Assembly in a Supramolecular Gel. <i>Journal of the American Chemical Society</i> , 2021 , 143, 13259-13265	16.4	5

22	Halogen Bonded Chiral Emitters: Generation of Chiral Fractal Architecture with Amplified Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22711-22716	16.4	5
21	Chiral self-assembly regulated photon upconversion based on triplet-triplet annihilation. <i>Chinese Chemical Letters</i> , 2019 , 30, 1923-1926	8.1	4
20	Chiral Perovskite Nanocrystals: Endowing Perovskite Nanocrystals with Circularly Polarized Luminescence (Adv. Mater. 12/2018). <i>Advanced Materials</i> , 2018 , 30, 1870081	24	4
19	Circularly polarized luminescent porous crystalline nanomaterials.. <i>Nanoscale</i> , 2022 ,	7.7	4
18	Signal transmission encryption based on dye-doped chiral liquid crystals via tunable and efficient circularly polarized luminescence. <i>Materials Advances</i> , 2021 , 2, 3851-3855	3.3	4
17	Amplifying the excited state chirality through self-assembly and subsequent enhancement via plasmonic silver nanowires. <i>Nanoscale</i> , 2020 , 12, 19760-19767	7.7	3
16	Improving the Overall Properties of Circularly Polarized Luminescent Materials Through Arene-Perfluoroarene Interactions. <i>Angewandte Chemie</i> , 2021 , 133, 4625-4630	3.6	3
15	Toward Large Dissymmetry Factor of Circularly Polarized Luminescence in Donor-Acceptor Hybrid Systems. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 8566-8574	6.4	3
14	Endowing inorganic nanomaterials with circularly polarized luminescence. <i>Aggregate</i> , 2022 , 3,	22.9	3
13	Switching Photon Upconversion by Using Photofluorochromic Annihilator with Low-Lying Triplet. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 3135-3141	6.4	2
12	Recent Advances of Circularly Polarized Luminescence in Photon Upconversion Systems. <i>Chemistry Letters</i> , 2021 , 50, 546-552	1.7	2
11	Regulating Circularly Polarized Luminescence of Axially Chiral Anthracene Derivatives through Solvatochromism and Supramolecular Self-assembly. <i>ChemNanoMat</i> , 2021 , 7, 429-433	3.5	2
10	Halogen Bonded Chiral Emitters: Generation of Chiral Fractal Architecture with Amplified Circularly Polarized Luminescence. <i>Angewandte Chemie</i> , 2021 , 133, 22893	3.6	2
9	Dependence of the photo-response behavior of self-assembled 2D Azo-derivatives on the functional groups on a solid surface. <i>New Journal of Chemistry</i> , 2019 , 43, 6262-6266	3.6	1
8	Circularly Polarized Luminescence from Gelator Molecules: From Isolated Molecules to Assemblies 2020 , 249-272		1
7	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	1.9	1
6	Numerical Study on the Influence of Distributing Chamber Volume on Metallurgical Effects in Two-Strand Induction Heating Tundish. <i>Metals</i> , 2022 , 12, 509	2.3	0
5	Tunable Anti-Stokes-Shift Behaviors Based on Intramolecular Charge Transfer Characteristics of Diarylethene Derivatives. <i>Advanced Optical Materials</i> , 2022 , 10, 2102180	8.1	0

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3 Interfacial assembled Langmuir films of isomeric lipid derivative: Effect of hydrogen bond and chirality transfer. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 586, 124280 5.1

2 Luminescent Supramolecular Gels **2021**, 215-256

1 Tunable Circularly Polarized Luminescence of Excited-State-Proton-Transfer-Based Chiral Guanidine. *Advanced Photonics Research*, **2022**, 3, 2100287 1.9