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List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A dual-emissive-materials design concept enables tumour hypoxia imaging. Nature Materials, 2009, 8, 747-751.	13.3	941
2	Polymorphism and Reversible Mechanochromic Luminescence for Solid-State Difluoroboron Avobenzone. Journal of the American Chemical Society, 2010, 132, 2160-2162.	6.6	765
3	Multi-Emissive Difluoroboron Dibenzoylmethane Polylactide Exhibiting Intense Fluorescence and Oxygen-Sensitive Room-Temperature Phosphorescence. Journal of the American Chemical Society, 2007, 129, 8942-8943.	6.6	527
4	In vivo optical molecular imaging and analysis in mice using dorsal window chamber models applied to hypoxia, vasculature and fluorescent reporters. Nature Protocols, 2011, 6, 1355-1366.	5.5	224
5	Mechanochromic Luminescence and Aggregation Induced Emission of Dinaphthoylmethane β-Diketones and Their Boronated Counterparts. ACS Applied Materials & Interfaces, 2016, 8, 1242-1251.	4.0	175
6	Aromatic Difluoroboron β-Diketonate Complexes: Effects of π-Conjugation and Media on Optical Properties. Inorganic Chemistry, 2013, 52, 3597-3610.	1.9	166
7	Alkyl chain length effects on solid-state difluoroboron β-diketonate mechanochromic luminescence. Journal of Materials Chemistry, 2011, 21, 8409.	6.7	161
8	The Relationship of Solidâ€ s tate Plasticity to Mechanochromic Luminescence in Difluoroboron Avobenzone Polymorphs. Advanced Functional Materials, 2013, 23, 1422-1430.	7.8	158
9	Boron Polylactide Nanoparticles Exhibiting Fluorescence and Phosphorescence in Aqueous Medium. ACS Nano, 2008, 2, 1252-1258.	7.3	134
10	Site-Isolated Luminescent Europium Complexes with Polyester Macroligands:  Metal-Centered Heteroarm Stars and Nanoscale Assemblies with Labile Block Junctions. Journal of the American Chemical Society, 2002, 124, 8526-8527.	6.6	127
11	Reversible solid-state mechanochromic fluorescence from a boron lipid dye. Journal of Materials Chemistry, 2011, 21, 8295.	6.7	121
12	Mechanochromic luminescence of halide-substituted difluoroboron β-diketonate dyes. Journal of Materials Chemistry C, 2015, 3, 352-363.	2.7	119
13	Oxygen Sensing Difluoroboron Dinaphthoylmethane Polylactide. Macromolecules, 2015, 48, 2967-2977.	2.2	117
14	Emission Color Tuning with Polymer Molecular Weight for Difluoroboron Dibenzoylmethaneâ€Polylactide. Advanced Materials, 2008, 20, 2099-2104.	11.1	111
15	Arene effects on difluoroboron β-diketonate mechanochromic luminescence. Journal of Materials Chemistry, 2011, 21, 8401.	6.7	110
16	Efficient Synthesis of 4-, 5-, and 6-Methyl-2,2'-bipyridine by a Negishi Cross-Coupling Strategy Followed by High-Yield Conversion to Bromo- and Chloromethyl-2,2'-bipyridines. Journal of Organic Chemistry, 1998, 63, 10048-10051.	1.7	108
17	Oxygen Sensing Difluoroboron β-Diketonate Polylactide Materials with Tunable Dynamic Ranges for Wound Imaging. ACS Sensors, 2016, 1, 1366-1373.	4.0	104
18	Architectural Diversity via Metal Template-Assisted Polymer Synthesis:Â A Macroligand Chelation Approach to Linear and Star-Shaped Polymeric Ruthenium Tris(bipyridine) Complexes. Macromolecules, 2000, 33, 4053-4060.	2.2	90

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19	Biocompatible Polyester Macroligands:Â New Subunits for the Assembly of Star-Shaped Polymers with Luminescent and Cleavable Metal Cores. Biomacromolecules, 2001, 2, 223-232.	2.6	86
20	Dual-Emissive Difluoroboron Naphthyl-Phenyl β-Diketonate Polylactide Materials: Effects of Heavy Atom Placement and Polymer Molecular Weight. Macromolecules, 2014, 47, 3736-3746.	2.2	86
21	Transition Metals as Templates for Multifunctional Initiators:Â Bulk Atom Transfer Radical Polymerization of Styrene Using Di-, Tetra- and Hexafunctional Ruthenium Tris(bipyridine) Reagents. Macromolecules, 1998, 31, 6715-6717.	2.2	85
22	Mechanochromic Luminescence Quenching: Force-Enhanced Singlet-to-Triplet Intersystem Crossing for Iodide-Substituted Difluoroboronâ^'Dibenzoylmethaneâ^'Dodecane in the Solid State. Inorganic Chemistry, 2010, 49, 10747-10749.	1.9	85
23	Modified VEGF-A mRNA induces sustained multifaceted microvascular response and accelerates diabetic wound healing. Scientific Reports, 2018, 8, 17509.	1.6	80
24	Role of Boron in the Polymer Chemistry and Photophysical Properties of Difluoroboronâ~'Dibenzoylmethane Polylactide. Macromolecules, 2009, 42, 8627-8633.	2.2	76
25	Stereocomplexed Poly(lactic acid)â^'Poly(ethylene glycol) Nanoparticles with Dual-Emissive Boron Dyes for Tumor Accumulation. ACS Nano, 2010, 4, 4989-4996.	7.3	72
26	Luminescence Oxygen Sensor Based on a Ruthenium(II) Star Polymer Complex. Analytical Chemistry, 2010, 82, 917-921.	3.2	72
27	Tailoring Oxygen Sensitivity with Halide Substitution in Difluoroboron Dibenzoylmethane Polylactide Materials. ACS Applied Materials & Interfaces, 2015, 7, 23633-23643.	4.0	72
28	Metal complexes with polymeric ligands: Chelation and metalloinitiation approaches to metal tris(bipyridine)-containing materials. Journal of Polymer Science Part A, 2000, 38, 4704-4716.	2.5	71
29	Metal-Centered Star Block Copolymers:Â Amphiphilic Iron Tris(bipyridine)-Centered Polyoxazolines and Their Chemical Fragmentation to Bipyridine-Centered BAB Triblock Copolymers. Macromolecules, 1999, 32, 1341-1347.	2.2	70
30	Iron Tris(bipyridine)-Centered Star Block Copolymers:Â Chelation of Triblock Macroligands Generated by ROP and ATRP. Macromolecules, 2004, 37, 2718-2727.	2.2	69
31	Optical imaging of tumor hypoxia dynamics. Journal of Biomedical Optics, 2010, 15, 1.	1.4	68
32	Difluoroboron Dibenzoylmethane PCL-PLA Block Copolymers: Matrix Effects on Room Temperature Phosphorescence. Macromolecules, 2009, 42, 3162-3169.	2.2	66
33	Mechanochromic luminescence and aggregation induced emission for a metal-free β-diketone. Chemical Communications, 2015, 51, 3359-3362.	2.2	65
34	Effects of α-Substitution on Mechanochromic Luminescence and Aggregation-Induced Emission of Difluoroboron β-Diketonate Dyes. Journal of Physical Chemistry C, 2016, 120, 22539-22548.	1.5	63
35	Poly(methyl methacrylates) with Ruthenium Tris(bipyridine) Cores via NiBr2(PR3)2-Catalyzed Atom Transfer Radical Polymerization (ATRP). Macromolecules, 2000, 33, 7404-7412.	2.2	62
36	Difluoroboron Î ² -diketonate materials with long-lived phosphorescence enable lifetime based oxygen imaging with a portable cost effective camera. Analytical Methods, 2016, 8, 3109-3114.	1.3	61

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37	Intracellular Uptake and Trafficking of Difluoroboron Dibenzoylmethaneâ^'Polylactide Nanoparticles in HeLa Cells. ACS Nano, 2010, 4, 2735-2747.	7.3	59
38	Synthesis of Halomethyl and Other Bipyridine Derivatives by Reaction of 4,4â€~-Bis[(trimethylsilyl)methyl]-2,2â€~-bipyridine with Electrophiles in the Presence of Fluoride Ion. Journal of Organic Chemistry, 1997, 62, 9314-9317.	1.7	56
39	Polymerization of 2-Ethyl-2-oxazoline Using Di-, Tetra-, and Hexafunctional Ruthenium Tris(bipyridine) Metalloinitiators. Macromolecules, 1999, 32, 6925-6932.	2.2	54
40	Iron Tris(dibenzoylmethaneâ^'polylactide). Macromolecules, 2010, 43, 4909-4920.	2.2	51
41	Synthesis and Fluorescent Properties of Difluoroboron Dibenzoylmethane Polycaprolactone. Macromolecules, 2009, 42, 3092-3097.	2.2	48
42	Meta-Alkoxy-Substituted Difluoroboron Dibenzoylmethane Complexes as Environment-Sensitive Materials. ACS Applied Materials & Interfaces, 2017, 9, 32008-32017.	4.0	45
43	Multi-stimuli responsive luminescent azepane-substituted β-diketones and difluoroboron complexes. Materials Chemistry Frontiers, 2017, 1, 1866-1874.	3.2	44
44	Stimuli responsive furan and thiophene substituted difluoroboron β-diketonate materials. Materials Chemistry Frontiers, 2017, 1, 158-166.	3.2	44
45	Copper ATRP Catalysts with Quadridentate Amine Ligands:  The Effects of Steric and Electronic Tuning on the Polymerization of Methyl Methacrylate. Macromolecules, 2000, 33, 8618-8628.	2.2	42
46	Structure–mechanical property correlations in mechanochromic luminescent crystals of boron difluoride dibenzoylmethane derivatives. IUCrJ, 2015, 2, 611-619.	1.0	42
47	Biosurfactant-Mediated Membrane Depolarization Maintains Viability during Oxygen Depletion in Bacillus subtilis. Current Biology, 2020, 30, 1011-1022.e6.	1.8	41
48	Phosphorescence Tuning through Heavy Atom Placement in Unsymmetrical Difluoroboron βâ€Điketonate Materials. Chemistry - A European Journal, 2018, 24, 1859-1869.	1.7	37
49	Blue thermally activated delayed fluorescence from a biphenyl difluoroboron β-diketonate. RSC Advances, 2016, 6, 81631-81635.	1.7	36
50	Modulating Mechanochromic Luminescence Quenching of Alkylated Iodo Difluoroboron Dibenzoylmethane Materials. Journal of Physical Chemistry C, 2016, 120, 14289-14300.	1.5	36
51	Color Tuning of Mechanochromic Luminescent β-Diketones via Boron Coordination and Donor-Acceptor Effects. Journal of Physical Chemistry C, 2018, 122, 19090-19099.	1.5	36
52	Camera Method for Monitoring a Mechanochromic Luminescent Î ² -Diketone Dye with Rapid Recovery. ACS Applied Materials & Interfaces, 2017, 9, 17603-17612.	4.0	34
53	Luminescent Difluoroboron βâ€Diketonate PEGâ€PLA Oxygen Nanosensors for Tumor Imaging. Macromolecular Rapid Communications, 2015, 36, 694-699	2.0	32
54	Luminescent Difluoroboron β-Diketonate PLA–PEG Nanoparticle. Biomacromolecules, 2017, 18, 551-561.	2.6	30

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55	Controlling solid-state optical properties of stimuli responsive dimethylamino-substituted dibenzoylmethane materials. Materials Chemistry Frontiers, 2017, 1, 1804-1817.	3.2	23
56	Oxygen‧ensing Difluoroboron Thienyl Phenyl βâ€Diketonate Polylactides. ChemPlusChem, 2017, 82, 399-406.	1.3	22
57	Luminescent polymeric ruthenium complexes with polystyrene-b-poly(methyl methacrylate) macroligands: The sequential activation of initiator sites for blocks generated by parallel polymerization mechanisms. Journal of Polymer Science Part A, 2002, 40, 4250-4255.	2.5	20
58	Iron Tris(dibenzoylmethane) Centered PCL and PCLâ€ <i>b</i> â€PLA Stars from Dual Functional Catalystâ€Initiators. Macromolecular Chemistry and Physics, 2010, 211, 1272-1279.	1.1	19
59	Thienyl Difluoroboron \hat{I}^2 -Diketonates in Solution and Polylactide Media. Australian Journal of Chemistry, 2016, 69, 537.	0.5	19
60	Amplified Heavy-Atom Free Phosphorescence from <i>meta</i> -Dimethoxy Difluoroboron β-Diketonate Charge-Transfer Materials. Journal of Physical Chemistry C, 2019, 123, 20488-20496.	1.5	18
61	Luminescent Donor-Acceptor β-Diketones: Modulation of Emission by Solvent Polarity and Group II Metal Binding. Journal of Fluorescence, 2009, 19, 881-889.	1.3	16
62	An Easy Method To Monitor Lactide Polymerization with a Boron Fluorescent Probe. ACS Applied Materials & Interfaces, 2010, 2, 3069-3074.	4.0	16
63	Supercooled Liquid β-Diketones with Mechanoresponsive Emission. Journal of Physical Chemistry C, 2019, 123, 25788-25800.	1.5	15
64	Ring Size Effects on Multiâ€Stimuli Responsive Luminescent Properties of Cyclic Amine Substituted βâ€Diketones and Difluoroboron Complexes. Chemistry - an Asian Journal, 2019, 14, 1849-1859.	1.7	15
65	Methoxy‣ubstituted Difluoroboron Benzoylacetonate Complexes with Colorâ€Tunable Phosphorescence. ChemPhotoChem, 2019, 3, 31-36.	1.5	13
66	Nitric oxide stimulates type IV MSHA pilus retraction in <i>Vibrio cholerae</i> via activation of the phosphodiesterase CdpA. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	13
67	Laser Phosphoroscope and Applications to Room-Temperature Phosphorescence. Applied Spectroscopy, 2011, 65, 1321-1324.	1.2	12
68	Difluoroboron β-diketonate polylactic acid oxygen nanosensors for intracellular neuronal imaging. Scientific Reports, 2021, 11, 1076.	1.6	11
69	Labelling primary immune cells using bright blue fluorescent nanoparticles. Biomaterials Science, 2020, 8, 1897-1909.	2.6	9
70	Dual-emissive, oxygen-sensing boron nanoparticles quantify oxygen consumption rate in breast cancer cells. Journal of Biomedical Optics, 2020, 25, .	1.4	6
71	Environment-Sensitive Azepane-Substituted β-Diketones and Difluoroboron Complexes with Restricted C–C Bond Rotation. Journal of Physical Chemistry C, 2019, 123, 23124-23130.	1.5	5
72	Multi-Stimuli Responsive Luminescent β-Diketones and Difluoroboron Complexes with Heterocyclic Substituents. Journal of Fluorescence, 2021, 31, 39-49.	1.3	5

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73	Adapting Polymeric Metal Complexes for Biomedical Applications. ACS Symposium Series, 2008, , 95-115.	0.5	2
74	Fabrication and Degradation of Nanofibers Based on Luminescent Boron Dye-PLGA Blends. ACS Symposium Series, 2010, , 33-42.	0.5	2
75	Metal complexes with polymeric ligands: modular synthesis of multifunctional materials for applications in biomedicine and nanotechnology. Macromolecular Symposia, 2002, 186, 161-164.	0.4	1
76	Site-Isolated Luminescent Lanthanide Complexes with Polymeric Ligands. ACS Symposium Series, 2004, , 233-246.	0.5	1
77	A Comparative Study of Polymer Composition, Molecular Weight, and Counterion Effects on the Chelation of Bipyridine Macroligands to Iron(II). ACS Symposium Series, 2006, , 17-29.	0.5	1
78	Polymeric Platinum(II) Bipyridine Dithiolate Complexes: Exploring the Influence of Macromolecular Outer Spheres on Solvatochromism with UV–Vis Spectroscopy. Macromolecular Chemistry and Physics, 2010, 211, 1246-1253.	1.1	1
79	Crystal Engineering: The Relationship of Solidâ€State Plasticity to Mechanochromic Luminescence in Difluoroboron Avobenzone Polymorphs (Adv. Funct. Mater. 11/2013). Advanced Functional Materials, 2013, 23, 1476-1476.	7.8	1
80	<i>Meta</i> â€Dimethoxyâ€Substituted Difluoroboron Dibenzoylmethane Poly(Lactic Acid) Nanoparticles for Luminescence Anisotropy. Macromolecular Chemistry and Physics, 2018, 219, 1800240.	1.1	1
81	Quantifying the effects of anesthesia on intracellular oxygen via low-cost portable microscopy using dual-emissive nanoparticles. Biomedical Optics Express, 0, , .	1.5	1