

# Lijuan Jiao

## List of Publications by Year in descending order

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126  
papers

4,506  
citations

87723

38  
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128067

60  
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132  
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132  
docs citations

132  
times ranked

3336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of BODIPY dyes through postfunctionalization of the boron dipyrromethene core. <i>Coordination Chemistry Reviews</i> , 2019, 399, 213024.	9.5	231
2	Regioselective Stepwise Bromination of Boron Dipyrromethene (BODIPY) Dyes. <i>Journal of Organic Chemistry</i> , 2011, 76, 9988-9996.	1.7	189
3	$\hat{1}$ -Formyl-BODIPYs from the Vilsmeier-Haack Reaction. <i>Journal of Organic Chemistry</i> , 2009, 74, 7525-7528.	1.7	152
4	Solvent Dependent Fluorescent Properties of a 1,2,3-Triazole Linked 8-Hydroxyquinoline Chemosensor: Tunable Detection from Zinc(II) to Iron(III) in the CH <sub>3</sub> CN/H <sub>2</sub> O System. <i>Journal of Physical Chemistry A</i> , 2011, 115, 8234-8241.	1.1	114
5	Highly Fluorescent BF <sub>2</sub> Complexes of Hydrazine-Schiff Base Linked Bispyrrole. <i>Organic Letters</i> , 2014, 16, 3048-3051.	2.4	112
6	Modulating the singlet oxygen generation property of meso- $\hat{1}$ directly linked BODIPY dimers. <i>Chemical Communications</i> , 2012, 48, 5437.	2.2	107
7	Synthesis and Functionalization of Asymmetrical Benzo-Fused BODIPY Dyes. <i>Journal of Organic Chemistry</i> , 2010, 75, 6035-6038.	1.7	103
8	Aromatic [i>b</i>-fused BODIPY dyes as promising near-infrared dyes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4135-4156.	1.5	92
9	Highly Regioselective $\hat{1}$ -Chlorination of the BODIPY Chromophore with Copper(II) Chloride. <i>Organic Letters</i> , 2015, 17, 4632-4635.	2.4	86
10	$\hat{1}$ - $\hat{2}$ -Formylated Boron-Dipyrin (BODIPY) Dyes: Regioselective Syntheses and Photophysical Properties. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5460-5468.	1.2	84
11	A selective fluorescent sensor for imaging Cu <sup>2+</sup> in living cells. <i>New Journal of Chemistry</i> , 2009, 33, 1888.	1.4	83
12	Long wavelength red fluorescent dyes from 3,5-diiodo-BODIPYs. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2517.	1.5	81
13	Accessing Near-Infrared-Absorbing BF <sub>2</sub> -Azadipyrromethenes via a Push-Pull Effect. <i>Journal of Organic Chemistry</i> , 2014, 79, 1830-1835.	1.7	78
14	Isoindole-BODIPY Dyes as Red to Near-Infrared Fluorophores. <i>Chemistry - A European Journal</i> , 2012, 18, 6437-6442.	1.7	75
15	$\hat{1}$ -Thiophene-Fused BF <sub>2</sub> -Azadipyrromethenes as Near-Infrared Dyes. <i>Organic Letters</i> , 2014, 16, 748-751.	2.4	71
16	Straightforward Synthesis of Oligopyrroles through a Regioselective S <sub>N</sub> Ar Reaction of Pyrroles and Halogenated Boron Dipyrins. <i>Organic Letters</i> , 2014, 16, 1952-1955.	2.4	69
17	Syntheses and photophysical properties of BF <sub>2</sub> complexes of curcumin analogues. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1618-1626.	1.5	65
18	Conformation-Restricted Partially and Fully Fused BODIPY Dimers as Highly Stable Near-Infrared Fluorescent Dyes. <i>Organic Letters</i> , 2015, 17, 5360-5363.	2.4	61

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19	Diversity-Oriented Facile Access to Highly Fluorescent Membrane-Permeable Benz[c,d]indole N-Heteroarene BF <sub>2</sub> Dyes. <i>Organic Letters</i> , 2015, 17, 278-281.	2.4	59
20	Unusual spectroscopic and photophysical properties of meso-tert-butylBODIPY in comparison to related alkylated BODIPY dyes. <i>RSC Advances</i> , 2015, 5, 89375-89388.	1.7	58
21	Toward the most versatile fluorophore: Direct functionalization of BODIPY dyes via regioselective C-H bond activation. <i>Chinese Chemical Letters</i> , 2019, 30, 1825-1833.	4.8	58
22	Synthesis of pyrrolyldipyrinato BF <sub>2</sub> complexes by oxidative nucleophilic substitution of boron dipyrromethene with pyrrole. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2139.	1.5	57
23	Synthesis, Properties, and Semiconducting Characteristics of BF <sub>2</sub> Complexes of 1,2-Bisphenanthrene-Fused Azadipyrromethenes. <i>Organic Letters</i> , 2017, 19, 2893-2896.	2.4	57
24	Synthesis, Crystal Structure, and the Deep Near-Infrared Absorption/Emission of Bright AzaBODIPY-Based Organic Fluorophores. <i>Organic Letters</i> , 2018, 20, 2620-2623.	2.4	57
25	Functionalized BODIPYs as Fluorescent Molecular Rotors for Viscosity Detection. <i>Frontiers in Chemistry</i> , 2019, 7, 825.	1.8	57
26	A Convenient Preparation of Xanthene Dyes. <i>Journal of Organic Chemistry</i> , 2005, 70, 6907-6912.	1.7	54
27	Click-tetradentate ligands. <i>Dalton Transactions</i> , 2010, 39, 2660.	1.6	53
28	Fusion and planarization of bisBODIPY: a new family of photostable near infrared dyes. <i>Chemical Communications</i> , 2015, 51, 16852-16855.	2.2	52
29	The main strategies for tuning BODIPY fluorophores into photosensitizers. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 603-635.	0.4	50
30	Regioselective and Stepwise Syntheses of Functionalized BODIPY Dyes through Palladium-Catalyzed Cross-Coupling Reactions and Direct C-H Arylations. <i>Journal of Organic Chemistry</i> , 2016, 81, 6281-6291.	1.7	49
31	A Family of Highly Fluorescent and Unsymmetric Bis(BF <sub>2</sub> ) Chromophore Containing Both Pyrrole and N-Heteroarene Derivatives: BOPPY. <i>Organic Letters</i> , 2018, 20, 4462-4466.	2.4	49
32	Aromatic Ring Fused BOPHYs as Stable Red Fluorescent Dyes. <i>Journal of Organic Chemistry</i> , 2016, 81, 11316-11323.	1.7	48
33	Sterically Protected N <sub>2</sub> O-Type Benzopyrromethene Boron Complexes from Boronic Acids with Intense Red/Near-Infrared Fluorescence. <i>Organic Letters</i> , 2017, 19, 2026-2029.	2.4	48
34	A nitroolefin functionalized BODIPY chemodosimeter for biothiols driven by an unexpected conjugated addition mechanism. <i>Chemical Communications</i> , 2012, 48, 8925.	2.2	47
35	Red to Near-Infrared Isoindole BODIPY Fluorophores: Synthesis, Crystal Structures, and Spectroscopic and Electrochemical Properties. <i>Journal of Organic Chemistry</i> , 2016, 81, 3761-3770.	1.7	46
36	Metal-Free Direct $\beta$ -Selective Arylation of Boron Dipyrromethenes via Base-Mediated C-H Functionalization. <i>Organic Letters</i> , 2016, 18, 736-739.	2.4	46

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37	One-pot efficient synthesis of pyrrolylBODIPY dyes from pyrrole and acyl chloride. RSC Advances, 2012, 2, 11215.	1.7	43
38	Improved Synthesis of Functionalized 2,2'-Bipyrroles. Journal of Organic Chemistry, 2007, 72, 8119-8122.	1.7	40
39	Benzoporphyrins via an olefin ring-closure metathesis methodology. Chemical Communications, 2006, , 3900.	2.2	38
40	Visible-Light Excitation of BODIPYs Enables Self-Promoted Radical Arylation at Their 3,5-Positions with Diazonium Salts. Organic Letters, 2019, 21, 5121-5125.	2.4	38
41	A Family of BODIPY-like Highly Fluorescent and Unsymmetrical Bis(BF <sub>2</sub> ) Pyrrolyl- <i>Acylhydrazone Chromophores: BOAPY. Organic Letters, 2020, 22, 4588-4592.</i>	2.4	38
42	[ <i>a</i> ]-Phenanthrene-Fused BF <sub>2</sub> Azadipyromethene (AzaBODIPY) Dyes as Bright Near-Infrared Fluorophores. Journal of Organic Chemistry, 2017, 82, 10341-10349.	1.7	37
43	Transition-metal-free regioselective cross-coupling of BODIPYs with thiols. Chemical Communications, 2019, 55, 1639-1642.	2.2	36
44	Straightforward Acid-Catalyzed Synthesis of Pyrrolyldipyromethenes. Angewandte Chemie - International Edition, 2012, 51, 7688-7691.	7.2	35
45	Conformationally Restricted AzaDipyromethene Boron Difluorides (AzaBODIPYs) with High Fluorescent Quantum Yields. Chemistry - an Asian Journal, 2014, 9, 805-810.	1.7	35
46	Facile synthesis of highly fluorescent BF <sub>2</sub> complexes bearing isoindolin-1-one ligand. Dalton Transactions, 2014, 43, 7121-7127.	1.6	35
47	Bu <sub>4</sub> NI/tBuOOH catalyzed, <i>Î±</i> -regioselective cross-dehydrogenative coupling of BODIPY with allylic alkenes and ethers. Chemical Communications, 2017, 53, 581-584.	2.2	35
48	AIE-active difluoroboronated acylhydrozone dyes (BOAHY) emitting across the entire visible region and their photo-switching properties. Journal of Materials Chemistry C, 2019, 7, 3269-3277.	2.7	35
49	Strategic Construction of Ethene-Bridged BODIPY Arrays with Absorption Bands Reaching the Near-Infrared II Region. Organic Letters, 2020, 22, 7513-7517.	2.4	35
50	Near-IR absorbing J-aggregates of a phenanthrene-fused BODIPY as a highly efficient photothermal nanoagent. Chemical Communications, 2020, 56, 14709-14712.	2.2	34
51	A novel family of AIE-active <i>meso</i> -2-ketopyrrolyl BODIPYs: bright solid-state red fluorescence, morphological properties and application as viscosimeters in live cells. Materials Chemistry Frontiers, 2019, 3, 1823-1832.	3.2	33
52	Conjugated BODIPY Oligomers with Controllable Near-Infrared Absorptions as Promising Phototheranostic Agents through Excited-State Intramolecular Rotations. ACS Applied Materials & Interfaces, 2020, 12, 47208-47219.	4.0	33
53	A Photochemical Dehydrogenative Strategy for Direct and Regioselective Dimerization of BODIPY Dyes. Organic Letters, 2020, 22, 7694-7698.	2.4	32
54	Synthesis, structure and properties of thiophene-fused BODIPYs and azaBODIPYs as near-infrared agents. New Journal of Chemistry, 2016, 40, 5966-5975.	1.4	31

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55	Tandem Regioselective Substitution and Palladium-Catalyzed Ring Fusion Reaction for Core-Expanded Boron Dipyrromethenes with Red-Shifted Absorption and Intense Fluorescence. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1979-1986.	1.7	30
56	One-pot synthesis and properties of well-defined butadiynylene-BODIPY oligomers. <i>Chemical Communications</i> , 2017, 53, 5318-5321.	2.2	30
57	Polybrominated BOPHY Dyes: Synthesis, Reactivity, and Properties. <i>Journal of Organic Chemistry</i> , 2018, 83, 1134-1145.	1.7	28
58	Synthesis, Structure, and Properties of Near-Infrared [b]Phenanthrene-Fused BF <sub>2</sub> Azadipyrromethenes. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2486-2493.	1.7	27
59	Copper-catalyzed $\hat{1}\pm$ -benzylation of BODIPYs via radical-triggered oxidative cross-coupling of two C-H bonds. <i>Chemical Communications</i> , 2018, 54, 9059-9062.	2.2	27
60	Conformationally restricted and ring-fused aza-BODIPYs as promising near infrared absorbing and emitting dyes. <i>Coordination Chemistry Reviews</i> , 2022, 470, 214709.	9.5	27
61	Orthogonally aligned cyclic BODIPY arrays with long-lived triplet excited states as efficient heavy-atom-free photosensitizers. <i>Chemical Science</i> , 2021, 12, 14944-14951.	3.7	26
62	Syntheses and properties of functionalized oxacalix[4]arene porphyrins. <i>Tetrahedron</i> , 2007, 63, 4011-4017.	1.0	25
63	Synthesis and Photophysics of BF <sub>2</sub> -Rigidified Partially Closed Chain Bromotetrapyrroles: Near Infrared Emitters and Photosensitizers. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1327-1334.	1.7	25
64	A highly selective visible light excitable boron dipyrromethene probe for cysteine over homocysteine and glutathione based on a Michael addition reaction. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 1079-1086.	4.0	25
65	High Singlet Oxygen Yield Photosensitizer Based Polypeptide Nanoparticles for Low-Power Near-Infrared Light Imaging-Guided Photodynamic Therapy. <i>Bioconjugate Chemistry</i> , 2018, 29, 3441-3451.	1.8	25
66	$\hat{1},\hat{1}$ -Linked cofacial bis-porphyrins. <i>Tetrahedron Letters</i> , 2006, 47, 501-504.	0.7	24
67	Metal-Free and Versatile Synthetic Routes to Natural and Synthetic Prodiginines from Boron Dipyrin. <i>Organic Letters</i> , 2016, 18, 5696-5699.	2.4	24
68	Phenanthro[b]-Fused BODIPYs through Tandem Suzuki and Oxidative Aromatic Couplings: Synthesis and Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2019, 84, 9693-9704.	1.7	24
69	Highly selective colorimetric and fluorescent BODIPY dyes for sensing of cysteine and/or homocysteine. <i>New Journal of Chemistry</i> , 2016, 40, 1387-1395.	1.4	23
70	Synthesis and Semiconducting Characteristics of the BF <sub>2</sub> Complexes of Bisbenzothiophene-Fused Azadipyrromethenes. <i>Organic Letters</i> , 2020, 22, 185-189.	2.4	23
71	Chlorin e <sub>6</sub> -13 <sup>1</sup> :15 <sup>2</sup> -Anhydride: A Key Intermediate in Conjugation Reactions of Chlorin e <sub>6</sub> . <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3661-3665.	1.2	22
72	Ultralong nanowires self-assembled from a [b]-bisphenanthrene-fused azadipyrromethene. <i>Chinese Chemical Letters</i> , 2021, 32, 1249-1252.	4.8	21

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73	Visual and Colorimetric Detection of Cyanide Anion Based on a "Turn-off" Daylight Fluorescent Molecule. <i>Chemistry Letters</i> , 2011, 40, 623-625.	0.7	20
74	Pure <i>E/Z</i> isomers of <i>N</i> -methylpyrrole-benzohydrazide-based BF <sub>2</sub> complexes: remarkable aggregation-, crystallization-induced emission switching properties and application in sensing intracellular pH microenvironment. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4533-4542.	2.7	20
75	$\hat{I}^2$ -AlkenylBODIPY Dyes: Regioselective Synthesis via Oxidative C-H Olefination, Photophysical Properties, and Bioimaging Studies. <i>Journal of Organic Chemistry</i> , 2019, 84, 5078-5090.	1.7	19
76	Highly photostable ketopyrrolyl-BODIPYs with red aggregation-induced emission characteristics for ultrafast wash-free mitochondria-targeted bioimaging. <i>Dyes and Pigments</i> , 2020, 176, 108209.	2.0	19
77	Highly selective, colorimetric probes for cyanide ion based on $\hat{I}^2$ -formylBODIPY dyes by an unprecedented nucleophilic addition reaction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119102.	2.0	19
78	Engineering BODIPY-based near-infrared nanoparticles with large Stokes shifts and aggregation-induced emission characteristics for organelle specific bioimaging. <i>Journal of Materials Chemistry B</i> , 2022, 10, 5612-5623.	2.9	19
79	Synthesis, characterization, and tunable semiconducting properties of aza-BODIPY derived polycyclic aromatic dyes. <i>Science China Chemistry</i> , 2020, 63, 1240-1245.	4.2	18
80	Visible Light Excitation of BODIPYs Enables Dehydrogenative Enamination at Their $\hat{I}^{\pm}$ -Positions with Aliphatic Amines. <i>Journal of Organic Chemistry</i> , 2020, 85, 8360-8370.	1.7	18
81	Direct Synthesis of Dipyrrolyldipyrins from S <sub>N</sub> Ar Reaction on 1,9-Dihalodipyrins with Pyrroles and Their NIR Fluorescence "Turn-On" Response to Zn <sup>2+</sup> . <i>Organic Letters</i> , 2017, 19, 6244-6247.	2.4	17
82	PyrrolylBODIPYs: Syntheses, Properties, and Application as Environment-Sensitive Fluorescence Probes. <i>ACS Omega</i> , 2017, 2, 3551-3561.	1.6	17
83	Development of BODIPY dyes with versatile functional groups at 3,5-positions from diacyl peroxides via Cu(II)-catalyzed radical alkylation. <i>Chemical Communications</i> , 2019, 55, 4691-4694.	2.2	17
84	Direct sulfonylation of BODIPY dyes with sodium sulfinates through oxidative radical hydrogen substitution at the $\hat{I}^{\pm}$ -position. <i>Chemical Communications</i> , 2020, 56, 15577-15580.	2.2	16
85	Direct C-H alkoxylation of BODIPY dyes via cation radical accelerated oxidative nucleophilic hydrogen substitution: a new route to building blocks for functionalized BODIPYs. <i>Chemical Communications</i> , 2021, 57, 1647-1650.	2.2	16
86	Boron-Templated Synthesis of B(III)-Submonoazaporphyrins: The Hybrids of B(III)-Subporphyrins and B(III)-Subporphyrazines. <i>Journal of the American Chemical Society</i> , 2022, 144, 6692-6697.	6.6	16
87	Synthesis, structure and photophysical properties of near-infrared 3,5-diarylbenzoBODIPY fluorophores. <i>RSC Advances</i> , 2016, 6, 52180-52188.	1.7	15
88	Novel expanded porphyrinoids with multiple-inner-ring-fusion and/or tunable aromaticity. <i>Chinese Chemical Letters</i> , 2019, 30, 1895-1902.	4.8	15
89	Dipyrrolylquinoxaline difluoroborates with intense red solid-state fluorescence. <i>Dalton Transactions</i> , 2015, 44, 13897-13905.	1.6	14
90	Syntheses and Photophysical Properties of <i>meso</i> -Phenylene ridged Boron Dipyrromethene Monomers, Dimers and Trimer. <i>Chinese Journal of Chemistry</i> , 2016, 34, 989-996.	2.6	14

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91	Synthesis and Spectroscopy of Benzylamine-Substituted BODIPYs for Bioimaging. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2561-2571.	1.2	14
92	Bright near-infrared $\beta$ -tetraphenylethene-BODIPY nanoprobe with high aggregated state emission quantum yields in aqueous system for lipid droplet-specific imaging. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3664-3672.	3.2	14
93	Sterically Protected and Conformation-Restricted BOBHY Dyes with Bright Near-Infrared Fluorescence: N <sub>2</sub> O-type Expanded BOPHY Dyes Derived from Boronic Acids. <i>Organic Letters</i> , 2021, 23, 4796-4801.	2.4	14
94	Direct $\beta$ -Selective Styrylation of BODIPY Dyes via Palladium(II)-Catalyzed C-H Functionalization. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 769-777.	2.1	13
95	A Family of Highly Fluorescent and Membrane-Permeable Bis(BF <sub>2</sub> ) Acyl-Pyridinylhydrazine Dyes with Strong Solid-State Emission and Large Stokes Shifts: The BOAPH Fluorophores. <i>Journal of Organic Chemistry</i> , 2021, 86, 11492-11501.	1.7	13
96	Efficiently emissive, strongly solvatochromic and lipid droplet-specific, fluorescent probes for mapping polarity in vitro. <i>Dyes and Pigments</i> , 2022, 197, 109838.	2.0	13
97	Influence of Fluorine Substitution on the Photovoltaic Performance of Wide Band Gap Polymer Donors for Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 5740-5749.	4.0	13
98	Silver-mediated, direct phosphorylation of BODIPY dyes at the 3- or 3,5-positions with H-phosphonates. <i>Chemical Communications</i> , 2022, 58, 3937-3940.	2.2	12
99	Strategic Construction of Sulfur-Bridged BODIPY Dimers and Oligomers as Heavy-Atom-Free Photosensitizers. <i>Organic Letters</i> , 2021, 23, 7220-7225.	2.4	11
100	Palladium(II)-Catalyzed Dehydrogenative Strategy for Direct and Regioselective Oligomerization of BODIPY Dyes. <i>Organic Letters</i> , 2021, 23, 7986-7991.	2.4	11
101	Synthesis, Reactivity, and Properties of a Class of $\beta$ -Extended BODIPY Derivatives. <i>Journal of Organic Chemistry</i> , 2021, 86, 17110-17118.	1.7	11
102	Synthesis and Spectral Properties of Aggregation-Induced Emission-Active Push-Pull Chromophores Based On Isoindole Scaffolds. <i>Organic Letters</i> , 2022, 24, 4557-4562.	2.4	11
103	Synthesis, Structure, and Properties of $\beta$ -Vinyl Ketone/Ester Functionalized AzaBODIPYs from FormylazaBODIPYs. <i>ACS Omega</i> , 2017, 2, 2568-2576.	1.6	10
104	Highly regioselective $\beta$ -formylation and $\beta$ -acylation of BODIPY dyes via tandem cross-dehydrogenative coupling with <i>in situ</i> deprotection. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5121-5128.	1.5	9
105	Conformationally Restricted $\beta$ , $\beta$ Directly Linked BisBODIPYs as Highly Fluorescent Near-Infrared Absorbing Dyes. <i>Organic Letters</i> , 2020, 22, 9239-9243.	2.4	9
106	Unusual spectroscopic and photophysical properties of solvatochromic BODIPY analogues of Prodan. <i>Dyes and Pigments</i> , 2020, 182, 108510.	2.0	9
107	NIR-absorbing superoxide radical and hyperthermia photogenerator via twisted donor-acceptor-donor molecular rotation for hypoxic tumor eradication. <i>Science China Materials</i> , 2021, 64, 3101.	3.5	9
108	Spectrofluorometric studies on the interaction between oxalix[6]arene-locked trizinc(II)porphyrins and crystal violet. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 73, 353-357.	2.0	8

