

# Jie Han

## List of Publications by Year in descending order

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84  
papers

1,475  
citations

394421

19  
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377865

34  
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93  
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docs citations

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times ranked

1509  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent chemosensors for copper(II) ion: Structure, mechanism and application. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2017, 32, 78-103.	11.6	142
2	Ratiometric and Selective Fluorescent Sensor for Zn <sup>2+</sup> as an "Off-On" Switch and Logic Gate. <i>Inorganic Chemistry</i> , 2012, 51, 9642-9648.	4.0	108
3	1,3,4-Oxadiazole based liquid crystals. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7779.	5.5	107
4	Li-ion storage and gas adsorption properties of porous polyimides (PIs). <i>RSC Advances</i> , 2014, 4, 7506.	3.6	91
5	Probing Ruthenium <sup>II</sup> Acetylide Bonding Interactions: Synthesis, Electrochemistry, and Spectroscopic Studies of Acetylide <sup>II</sup> Ruthenium Complexes Supported by Tetradentate Macrocyclic Amine and Diphosphine Ligands. <i>Journal of the American Chemical Society</i> , 2005, 127, 13997-14007.	13.7	58
6	Synthesis and liquid crystal properties of a new class of calamitic mesogens based on substituted 2,5-diaryl-1,3,4-thiadiazole derivatives with wide mesomorphic temperature ranges. <i>Liquid Crystals</i> , 2008, 35, 1379-1394.	2.2	47
7	Achiral Benzoic Acid Derivatives as Chiral Cocrystal Building Blocks in Supramolecular Chemistry: Adducts with Organic Amines. <i>Crystal Growth and Design</i> , 2006, 6, 1186-1193.	3.0	45
8	Thermotropic Liquid Crystals Based on Extended 2,5-Disubstituted-1,3,4-Oxadiazoles: Structure-Property Relationships, Variable-Temperature Powder X-ray Diffraction, and Small-Angle X-ray Scattering Studies. <i>Chemistry - an Asian Journal</i> , 2006, 1, 814-825.	3.3	36
9	Synthesis and mesomorphic behaviour of heterocycle-based liquid crystals containing 1,3,4-oxadiazole/thiadiazole and thiophene units. <i>Liquid Crystals</i> , 2008, 35, 1205-1214.	2.2	34
10	Non-symmetric liquid crystal dimers based on 1,3,4-oxadiazole derivatives: synthesis, photoluminescence and liquid crystal behaviour. <i>Liquid Crystals</i> , 2010, 37, 1471-1478.	2.2	33
11	Activation-Enabled Syntheses of Functionalized Pillar[5]arene Derivatives. <i>Organic Letters</i> , 2015, 17, 3260-3263.	4.6	33
12	Pillararene-based conjugated porous polymers. <i>Polymer Chemistry</i> , 2021, 12, 2808-2824.	3.9	31
13	Selectively Regulating Lewis Acid-Base Sites in Metal-Organic Frameworks for Achieving Turn-On/Off of the Catalytic Activity in Different CO <sub>2</sub> Reactions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	31
14	Progress in synthesis, photochromism and photomagnetism of biindenylidenedione derivatives. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2009, 10, 141-147.	11.6	25
15	Synthesis, single crystal structure and liquid crystalline properties of bent-shaped 2,5-diaryl 1,3,4-oxadiazoles. <i>Liquid Crystals</i> , 2009, 36, 209-213.	2.2	25
16	P <sup>III</sup> -Mediated intramolecular cyclopropanation and metal-free synthesis of cyclopropane-fused heterocycles. <i>Chemical Communications</i> , 2020, 56, 10251-10254.	4.1	25
17	Synthesis, Structures, and Photoluminescent Properties of Cyclometalated Platinum(II) Complexes bearing Upper-Rim Phosphinated Calix[4]arenes. <i>Organometallics</i> , 2009, 28, 34-37.	2.3	21
18	Calix[4]arene based 1,3,4-oxadiazole as a fluorescent chemosensor for copper(II) ion detection. <i>Tetrahedron Letters</i> , 2016, 57, 5834-5836.	1.4	21

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19	Synthesis and crystalline state photochromism of 3,3-diaryl biindenylidenedione derivatives. <i>Tetrahedron</i> , 2005, 61, 5373-5377.	1.9	20
20	Synthesis and Liquid Crystalline Properties of 3-Substituted Pentane-2,4-dione, Pyrazole and Isoxazole Derivatives. <i>Chinese Journal of Chemistry</i> , 2007, 25, 129-131.	4.9	19
21	Synthesis, crystal structures, and photochromic properties of 6,6- or 7,7- or 6,7-dimethyl-[2,2-bi-1H-indene]-3,3-diethyl-3,3-dihydroxy-1,1-diones. <i>Tetrahedron</i> , 2007, 63, 4319-4327.	1.9	19
22	Synthesis and liquid crystalline properties of substituted 2,5-diaryl 1,3,4-oxadiazole derivatives without flexible chains. <i>Liquid Crystals</i> , 2008, 35, 1359-1365.	2.2	19
23	A chiral 2D-3D heterometallic azido complex with 2,6-pyridinedicarboxylate as the co-ligand showing magnetic order. <i>Dalton Transactions</i> , 2013, 42, 8201.	3.3	19
24	Synthesis and comparative study of the heterocyclic rings on liquid crystalline properties of 2,5-aryl-1,3,4-oxa(thia)diazole derivatives containing furan and thiophene units. <i>Liquid Crystals</i> , 2009, 36, 825-833.	2.2	18
25	Fluorescent liquid crystalline compounds with 1,3,4-oxadiazole and benzo[ <i>b</i> ]thiophene units. <i>Liquid Crystals</i> , 2012, 39, 669-674.	2.2	18
26	Self-assembled liquid crystals formed by hydrogen bonding between non-mesogenic 1,3,4-oxadiazole-based pyridines and substituted benzoic acids. <i>Supramolecular Chemistry</i> , 2012, 24, 157-164.	1.2	17
27	Crown ether-pillararene hybrid macrocyclic systems. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3287-3302.	2.8	17
28	A novel photochromic liquid crystal system based on biindenylidenedione derivatives. <i>New Journal of Chemistry</i> , 2007, 31, 543.	2.8	16
29	Synthesis, crystal structures, mesomorphic and photo-luminescent properties of 1,3,4-thia(oxa)diazole-based compounds with a terminal methoxy or methylthio group. <i>Journal of Molecular Structure</i> , 2009, 937, 122-130.	3.6	16
30	Synthesis, mesomorphic behaviour and photo-luminescent property of new mesogens containing 1,3,4-oxadiazole fluorophore. <i>Liquid Crystals</i> , 2010, 37, 1521-1527.	2.2	16
31	Supramolecular brush polymers prepared from 1,3,4-oxadiazole and cyanobutoxy functionalised pillar[5]arene for detecting Cu <sup>2+</sup> . <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1287-1291.	2.8	16
32	SYNTHESIS, SINGLE CRYSTAL STRUCTURES, AND LIQUID CRYSTAL PROPERTY OF 2,5-DIPHENYL-1,3,4-OXADIAZOLES/1,3,4-THIADIAZOLES. <i>Soft Materials</i> , 2009, 7, 342-354.	1.7	15
33	Microwave-assisted Synthesis, Structure, and Tunable Liquid Crystal Properties of 2,5-Diaryl-1,3,4-Thiadiazole Derivatives through Peripheral Alkoxy Chains. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1099-1107.	3.3	15
34	Synthesis and liquid crystalline property of H-shaped 1,3,4-thiadiazole dimers. <i>Liquid Crystals</i> , 2015, 42, 127-133.	2.2	15
35	A triphenylene-based conjugated microporous polymer: construction, gas adsorption, and fluorescence detection properties. <i>RSC Advances</i> , 2015, 5, 15350-15353.	3.6	14
36	The synthesis and applications of porphyrin-containing pillararenes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4894-4905.	2.8	14

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37	C2-symmetrical hexaazatriphenylene derivatives as colorimetric and ratiometric fluorescence chemosensors for Zn <sup>2+</sup> . <i>Talanta</i> , 2013, 108, 150-156.	5.5	13
38	Accelerating the thermal fading rate of photochromic naphthopyrans by pillar[5]arene-based conjugated macrocycle polymer. <i>Chinese Chemical Letters</i> , 2022, 33, 239-242.	9.0	13
39	Preparation and application of BODIPY-containing pillararenes based supramolecular systems. <i>Dyes and Pigments</i> , 2021, 196, 109828.	3.7	13
40	Calix[4]arene-based 1,3,4-oxadiazoles: Novel Fluorescent Chemosensors for Specific Recognition of Cu <sup>2+</sup> . <i>ChemPlusChem</i> , 2012, 77, 196-200.	2.8	12
41	New photo-responsive unit of biindenylidene with TEMPO radical substituents. <i>Tetrahedron Letters</i> , 2007, 48, 6044-6047.	1.4	11
42	Microwave-assisted synthesis and liquid crystal properties of 1,3,4-thiadiazole-based liquid crystals. <i>Liquid Crystals</i> , 2009, 36, 157-163.	2.2	11
43	Catalytic asymmetric (4 + 1) annulation of nitroalkenes with allylic acetates: stereoselective synthesis of isoxazoline <i>N</i> -oxides. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6989-6993.	2.8	10
44	Synthesis and mesomorphic properties of $\beta^3$ -substituted $\beta^2$ -diketones and their dicarbonylrhodium(I) complexes. <i>Journal of Organometallic Chemistry</i> , 2003, 672, 86-93.	1.8	8
45	Synthesis, single crystal structure and photo-luminescent property of bipolar compounds containing 1,3,4-oxadiazole and carbazolyl units. <i>Journal of Molecular Structure</i> , 2010, 968, 32-35.	3.6	8
46	Room-temperature fluorescent liquid crystalline dimers based on discotic 1,3,4-oxadiazole. <i>Liquid Crystals</i> , 2018, 45, 1047-1054.	2.2	8
47	Synthesis, Mesogenic and Spectroscopic Properties of 2,5-Disubstituted Thiophene Derivatives. <i>Chinese Journal of Chemistry</i> , 2006, 24, 1594-1598.	4.9	7
48	Synthesis, Crystal Structure, Solid Photochromic Properties and Light-Induced Radical Behavior of Bis{3-alkyl/(alkoxyphenyl)-3-hydroxyindan-1-one-2-ylidene} Derivatives. <i>Chinese Journal of Chemistry</i> , 2008, 26, 765-769.	4.9	7
49	Photochromism and light-induced radical behaviours of biindenylidenedione derivatives in solid state. <i>Journal of Molecular Structure</i> , 2008, 874, 28-33.	3.6	7
50	Insights into the reaction of trans-diarylethenes with thionyl chloride: a practical synthesis of chlorobenzo[b]thiophenes. <i>Tetrahedron</i> , 2011, 67, 8865-8872.	1.9	7
51	A room-temperature liquid crystalline polymer based on discotic 1,3,4-oxadiazole. <i>RSC Advances</i> , 2015, 5, 47579-47583.	3.6	7
52	Synthesis and liquid crystal properties of dinuclear cyclopalladated 5-alkyl-2-(4-alkoxyphenyl)pyrimidine and 3-(4-alkoxyphenyl)-6-alkoxy-pyridazine complexes. <i>Liquid Crystals</i> , 2003, 30, 1259-1264.	2.2	6
53	Regio- and stereocontrolled synthesis and conformational analysis of benzimidazole nucleosides. <i>Tetrahedron</i> , 2006, 62, 2529-2536.	1.9	6
54	Nanoarchitecture self-assembly and photochromic studies of 2,2-diarylnaphthopyrans. <i>Tetrahedron</i> , 2006, 62, 4900-4906.	1.9	6

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55	One-Pot Synthesis of Photochromic 6- <sup>2</sup> -Amino-Substituted Spirooxazines from 1-Nitroso-2-naphthol Zinc Chelate and Indoline Base. <i>Synthesis</i> , 2010, 2010, 3418-3422.	2.3	6
56	Synthesis, liquid crystalline and photoluminescent properties of 1,3,4-oxadiazole derivatives: From calamitic monomers, H-Shaped dimers to calix[4]arene-based tetramers. <i>Dyes and Pigments</i> , 2018, 154, 234-241.	3.7	6
57	Selectively Regulating Lewis Acid-Base Sites in Metal-Organic Frameworks for Achieving Turn-On/Off of the Catalytic Activity in Different CO <sub>2</sub> Reactions. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	6
58	The nanometer cavity structure of a photochromic naphthopyran. <i>Journal of Molecular Structure</i> , 2005, 743, 157-162.	3.6	5
59	Synthesis, photochromic mechanism and properties of a novel biindenylidenedione compound containing ferrocene units. <i>Applied Organometallic Chemistry</i> , 2008, 22, 319-325.	3.5	5
60	Synthesis and properties of novel photochromic biindenylidenedione derivative bearing TEMPO radical. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 194, 122-128.	3.9	5
61	Synthesis, photochromism and photomagnetism of new biindenylidenedione derivatives in crystalline state. <i>Journal of Molecular Structure</i> , 2009, 920, 23-29.	3.6	5
62	Construction of pillar[5]arene-based photochromic supramolecular polymeric system with tunable thermal bleaching rate. <i>Polymer</i> , 2021, 231, 124112.	3.8	5
63	Supramolecular systems prepared using terpyridine-containing pillararene. <i>Polymer Chemistry</i> , 2022, 13, 286-299.	3.9	5
64	Synthesis and Mesomorphic Properties of 2-(4-Alkoxybenzoyloxy or Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (4-Alkoxy)cinnamoylox	4.9	4
65	Synthesis and properties of photochromic biindenylidenedione derivatives containing thiophene groups, and new insights into the reaction of 2,2-biindanylidene-1,1,3,3-tetraone with Grignard reagent. <i>Journal of Molecular Structure</i> , 2008, 891, 214-220.	3.6	4
66	UV light-driven asymmetric vinyllogous aldol reaction of isatins with 2-alkylbenzophenones and enantioselective synthesis of 3-hydroxyoxindoles. <i>Organic Chemistry Frontiers</i> , 2022, 9, 643-648.	4.5	4
67	Cyclodextrin-Based Aerogels: A Review of Nanomaterials Systems and Applications. <i>ACS Applied Nano Materials</i> , 2022, 5, 13921-13939.	5.0	4
68	Regioselective Synthesis of 2-Substituted-4-Methylbenzimidazole Nucleosides. <i>Synlett</i> , 2005, 2005, 1301-1305.	1.8	3
69	Unexpected cleavage and formation of C-C bonds by the nitration of 2,2-biindanyl-1,1,3,3-tetraone. <i>Journal of Chemical Research</i> , 2006, 2006, 716-718.	1.3	3
70	Synthesis and Properties of Brominated 6,6-Dimethyl[2,2-biindanyl-1,1,3,3-tetraone]diethyl-3,3-dihydroxy-1,1-diones. <i>Chinese Journal of Chemistry</i> , 2008, 28, 1240-1246.	3.6	3
71	A Novel Calix[4]Crown-Based 1,3,4-Oxadiazole as a Fluorescent Chemosensor for Copper(II) Ion Detection. <i>Frontiers in Chemistry</i> , 2021, 9, 766442.	3.6	3
72	Development of photochromic fused 2-naphthopyrans with promising thermal fading rates. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5542-5549.	5.5	3

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73	Hybrid Macrocyclic Polymers: Self-Assembly Containing Cucurbit[m]uril-pillar[n]arene. <i>Polymers</i> , 2022, 14, 1777.	4.5	3
74	Single crystalline phase photochemical properties and structure of a new biindenylidenedione bearing cyclohexyl groups. <i>Research on Chemical Intermediates</i> , 2004, 30, 537-543.	2.7	2
75	A Simple and Efficient Synthesis of 2-Deoxy-l-ribose from 2-Deoxy-d-ribose. <i>Synlett</i> , 2006, 2006, 2498-2500.	1.8	2
76	A New Biindenylidenedione Compound with Two Azobenzene Units: Synthesis and Photochromic Behavior Both in Solution and in the Solid State. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1839-1842.	4.9	2
77	Synthesis and Liquid Crystal Behaviors of 2,4-Dioxo- $\beta$ -pentyl 4-decyloxy Cinnamate Rhodium(I) Complexes. <i>Chinese Journal of Chemistry</i> , 2003, 21, 1521-1524.	4.9	2
78	Synthesis and Mesomorphic Property of 2,5-Aryl-1,3,4-Oxadiazole/Thiadiazole Derivatives Bearing a Terminal Thiophene Unit. <i>Key Engineering Materials</i> , 2010, 428-429, 52-56.	0.4	2
79	Synthesis, Characterization and Photochromic Properties of Novel Naphthopyrans with Hydrazone Unit Residue. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1677-1684.	4.9	2
80	Cyclodextrin-Pillar[n]arene Hybridized Macrocyclic Systems. <i>Organic and Biomolecular Chemistry</i> , 2022, , .	2.8	2
81	Synthetic Study on 2,2-(1,4-Phenylene)bis(3-alkyl-1H-inden-1-ones): The First Application of a Sodium Enolate as a "Protecting Group"™ in the Grignard Reaction. <i>Synthesis</i> , 2008, 2008, 1725-1728.	2.3	1
82	Synthesis and photochromic properties of a new biindenylidenedione compound bearing hydroxyphenyl groups in crystal state. <i>Research on Chemical Intermediates</i> , 2010, 36, 301-307.	2.7	1
83	Convergent Synthesis of Polysubstituted Furans via Catalytic Phosphine Mediated Multicomponent Reactions. <i>Molecules</i> , 2019, 24, 4595.	3.8	1
84	Editorial: Advanced Self-assembled Materials with Programmable Functions. <i>Frontiers in Chemistry</i> , 2022, 10, 892461.	3.6	0