

Sheng Hua Liu

List of Publications by Year in descending order

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115
papers

3,773
citations

94433

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56
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118
all docs

118
docs citations

118
times ranked

3631
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel fluorene-based aggregation-induced emission (AIE)-active gold(<i>sc</i>) complex with crystallization-induced emission enhancement (CIEE) and reversible mechanochromism characteristics. <i>Chemical Communications</i> , 2015, 51, 326-329.	4.1	182
2	A Visible and Near-Infrared, Dual-Channel Fluorescence-On Probe for Selectively Tracking Mitochondrial Glutathione. <i>CheM</i> , 2018, 4, 1609-1628.	11.7	161
3	Real-Time Monitoring of Hierarchical Self-Assembly and Induction of Circularly Polarized Luminescence from Achiral Luminogens. <i>ACS Nano</i> , 2019, 13, 3618-3628.	14.6	157
4	Naphthalimide-based fluorescent probe for selectively and specifically detecting glutathione in the lysosomes of living cells. <i>Chemical Communications</i> , 2016, 52, 721-724.	4.1	147
5	Fluorescent probes for pH and alkali metal ions. <i>Coordination Chemistry Reviews</i> , 2021, 427, 213584.	18.8	115
6	New recyclable catalytic system: PdCl ₂ •Dppc+ PF ₆ ⁻ [bmim][PF ₆] for the Suzuki coupling reaction. <i>Applied Organometallic Chemistry</i> , 2007, 21, 1-4.	3.5	113
7	Aggregation-induced emission (AIE) behavior and thermochromic luminescence properties of a new gold(i) complex. <i>Chemical Communications</i> , 2013, 49, 3567.	4.1	93
8	Carbazole-based aggregation-induced emission (AIE)-active gold(I) complex: Persistent room-temperature phosphorescence, reversible mechanochromism and vapochromism characteristics. <i>Dyes and Pigments</i> , 2017, 143, 409-415.	3.7	87
9	Aggregation-induced emission-active gold(i) complexes with multi-stimuli luminescence switching. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2243.	5.5	81
10	Decoration of Reduced Graphene Oxide Nanosheets with Aryldiazonium Salts and Gold Nanoparticles toward a Label-Free Amperometric Immunosensor for Detecting Cytokine Tumor Necrosis Factor- α in Live Cells. <i>Analytical Chemistry</i> , 2016, 88, 9614-9621.	6.5	80
11	A simple donor-acceptor AIEgen with multi-stimuli responsive behavior. <i>Materials Horizons</i> , 2020, 7, 135-142.	12.2	77
12	Near-infrared heptamethine cyanines (Cy7): from structure, property to application. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9385-9397.	2.8	71
13	Arynes in the synthesis of polycyclic aromatic hydrocarbons. <i>RSC Advances</i> , 2013, 3, 22727.	3.6	67
14	Synthesis and Characterization of C ₁₀ H ₁₀ -Bridged Bimetallic Ruthenium Complexes. <i>Organometallics</i> , 2005, 24, 769-772.	2.3	65
15	A novel fluorene-based gold(<i>sc</i>) complex with aggregate fluorescence change: a single-component white light-emitting luminophor. <i>Chemical Communications</i> , 2014, 50, 11033.	4.1	65
16	Spectroscopic and Computational Studies of the Ligand Redox Non-Innocence in Mono- and Binuclear Ruthenium Vinyl Complexes. <i>Organometallics</i> , 2011, 30, 1852-1858.	2.3	63
17	Syntheses and Properties of Binuclear Ruthenium Vinyl Complexes with Dithienylethene Units as Multifunction Switches. <i>Organometallics</i> , 2009, 28, 6402-6409.	2.3	62
18	Stimuli-responsive organic chromic materials with near-infrared emission. <i>Chinese Chemical Letters</i> , 2018, 29, 1429-1435.	9.0	58

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19	Visible-Light-Dependent Photocyclization: Design, Synthesis, and Properties of a Cyanine-Based Dithienylethene. <i>Journal of Organic Chemistry</i> , 2015, 80, 7830-7835.	3.2	55
20	Synthesis, Characterization, and Substituent Effects of Binuclear Ruthenium Vinyl Complexes [RuCl(CO)(PMe ₃) ₃] ₂ (1/4-CH ₂ -CH ₂ -Ar ₂ -CH ₂ -CH). <i>Organometallics</i> , 2009, 28, 2450-2459.	2.3	52
21	A Highly Reversible Mechanochromic Difluorobenzothiadiazole Dye with Near-Infrared Emission. <i>Chemistry - A European Journal</i> , 2018, 24, 3671-3676.	3.3	52
22	Structure-tuned and thermodynamically controlled mechanochromic self-recovery of AIE-active Au(<i>κ</i> -i) complexes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 894-899.	5.5	52
23	CuI/PPh ₃ ₃ -catalyzed Sonogashira coupling reaction of aryl iodides with terminal alkynes in water in the absence of palladium. <i>Applied Organometallic Chemistry</i> , 2009, 23, 75-77.	3.5	51
24	Synthesis, Characterization, and Properties of Binuclear Gold(I) Phosphine Alkynyl Complexes. <i>Organometallics</i> , 2010, 29, 2808-2814.	2.3	51
25	Rational Design and Application of an Indolium-Derived Heptamethine Cyanine with Record-Long Second Near-Infrared Emission. <i>CCS Chemistry</i> , 2022, 4, 1961-1976.	7.8	50
26	Diruthenium Complexes with Bridging Diethynyl Polyaromatic Ligands: Synthesis, Spectroelectrochemistry, and Theoretical Calculations. <i>Organometallics</i> , 2015, 34, 3967-3978.	2.3	49
27	A novel carbazole-based gold(<i>κ</i> -i) complex with interesting solid-state, multistimuli-responsive characteristics. <i>Dalton Transactions</i> , 2015, 44, 17473-17477.	3.3	47
28	Tetraphenylene-Coated Near-Infrared Benzoselenodiazole Dye: AIE Behavior, Mechanochromism, and Bioimaging. <i>Organic Letters</i> , 2019, 21, 7213-7217.	4.6	47
29	Tissue Imaging of Glutathione-Specific Naphthalimide-Cyanine Dye with Two-Photon and Near-Infrared Manners. <i>Analytical Chemistry</i> , 2019, 91, 11343-11348.	6.5	45
30	Synthesis, Characterization, and Properties of Anthracene-Bridged Bimetallic Ruthenium Vinyl Complexes [RuCl(CO)(PMe ₃) ₃] ₂ (1/4-CH ₂ -CH-anthracene-CH ₂ -CH). <i>Organometallics</i> , 2011, 30, 5763-5770.	2.3	44
31	A Versatile Naphthalimide-Sulfonamide-Coated Tetraphenylethene: Aggregation-Induced Emission Behavior, Mechanochromism, and Tracking Glutathione in Living Cells. <i>Chemistry - an Asian Journal</i> , 2019, 14, 890-895.	3.3	44
32	Synthesis and Characterization of Dithia[3.3]paracyclophane-Bridged Binuclear Ruthenium Vinyl and Alkynyl Complexes. <i>Organometallics</i> , 2012, 31, 5321-5333.	2.3	43
33	A hemicyanine-based colorimetric and ratiometric fluorescent probe for selective detection of cysteine and bioimaging in living cell. <i>Talanta</i> , 2017, 170, 406-412.	5.5	43
34	The Role of Through-Space Interactions in Modulating Constructive and Destructive Interference Effects in Benzene. <i>Nano Letters</i> , 2017, 17, 4436-4442.	9.1	41
35	Bipyridine-based aggregation-induced phosphorescent emission (AIPE)-active gold(I) complex with reversible phosphorescent mechanochromism and self-assembly characteristics. <i>Dyes and Pigments</i> , 2018, 152, 54-59.	3.7	39
36	Vinyl-functionalized multicolor benzothiadiazoles: design, synthesis, crystal structures and mechanically-responsive performance. <i>Science China Chemistry</i> , 2019, 62, 440-450.	8.2	39

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37	Triphenylamine, carbazole or tetraphenylethylene-based gold(I) complexes: Tunable solid-state room-temperature phosphorescence and various mechanochromic luminescence characteristics. <i>Dyes and Pigments</i> , 2018, 159, 499-505.	3.7	38
38	Fluorene-based mononuclear gold(I) complexes: the effect of alkyl chain, aggregation-induced emission (AIE) and mechanochromism characteristics. <i>RSC Advances</i> , 2016, 6, 73933-73938.	3.6	37
39	Fluorophore-Labeling Tetraphenylethylene Dyes Ranging from Visible to Near-Infrared Region: AIE Behavior, Performance in Solid State, and Bioimaging in Living Cells. <i>Journal of Organic Chemistry</i> , 2019, 84, 14498-14507.	3.2	35
40	Excitation Wavelength-Dependent Nearly Pure White Light-Emitting Crystals from a Single Gold(I)-Containing Complex. <i>Organic Letters</i> , 2019, 21, 9945-9949.	4.6	35
41	Synthesis of rotaxanes and catenanes using an imine clipping reaction. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10331-10351.	2.8	34
42	Experimental and Theoretical Studies of Charge Delocalization in Biruthenium-Alkynyl Complexes Bridged by Thiophenes. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2023-2032.	3.3	33
43	1,8-Naphthalimide-based highly blue-emissive fluorophore induced by a bromine atom: reversible thermochromism and vapochromism characteristics. <i>RSC Advances</i> , 2014, 4, 63985-63988.	3.6	32
44	Highly selective colorimetric and fluorescent sensors for the fluoride anion based on imidazo[4,5-f]-1,10-phenanthroline metal-complexes. <i>RSC Advances</i> , 2012, 2, 4215.	3.6	31
45	Synthesis and Characterization of Dibenzo-heterocycle-Bridged Dinuclear Ruthenium Alkynyl and Vinyl Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2941-2951.	2.0	31
46	Localized HOMO-Binding Character of Divinylanthracene-Bridged Dinuclear Ruthenium Carbonyl Complexes: Spectroscopic, Spectroelectrochemical, and Computational Studies. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1152-1160.	3.3	30
47	Bonding and Electronic Properties of Linear Diethynyl Oligothienoacene-Bridged Diruthenium Complexes and Their Oxidized Forms. <i>Inorganic Chemistry</i> , 2017, 56, 11074-11086.	4.0	30
48	A Near Infrared Cyanine-Based Fluorescent Probe for Highly Selectively Detecting Glutathione in Living Cells. <i>Chinese Journal of Chemistry</i> , 2016, 34, 594-598.	4.9	29
49	Near-Infrared Thienoisindigos with Aggregation-Induced Emission: Molecular Design, Optical Performance, and Bioimaging Application. <i>Analytical Chemistry</i> , 2021, 93, 3378-3385.	6.5	28
50	Progress in mechanochromic luminescence of gold(I) complexes. <i>Chinese Chemical Letters</i> , 2021, 32, 3718-3732.	9.0	27
51	Switchable azo-macrocycles: from molecules to functionalisation. <i>Supramolecular Chemistry</i> , 2014, 26, 54-65.	1.2	26
52	Benzobisthiadiazoles: From structure to function. <i>Dyes and Pigments</i> , 2019, 171, 107746.	3.7	26
53	The regulation of biothiol-responsive performance and bioimaging application of benzo[c][1,2,5]oxadiazole dyes. <i>Chinese Chemical Letters</i> , 2020, 31, 2891-2896.	9.0	26
54	Bimetallic Ruthenium Complexes: Synthesis, Characterization, and the Effect of Appending Long Carbon Chains to Their Bridges. <i>Organometallics</i> , 2010, 29, 1150-1156.	2.3	25

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55	Notable differences between oxidized diruthenium complexes bridged by four isomeric diethynyl benzodithiophene ligands. <i>Dalton Transactions</i> , 2016, 45, 6503-6516.	3.3	25
56	Multistep Oxidation of Diethynyl Oligophenylamine-Bridged Diruthenium and Diiron Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 1001-1015.	4.0	25
57	Near-Infrared Fluorescence/Photoacoustic Agent with an Intensifying Optical Performance for Imaging-Guided Effective Photothermal Therapy. <i>Advanced Therapeutics</i> , 2020, 3, 2000170.	3.2	25
58	Cyanine-based dithienylethenes: synthesis, characterization, photochromism and biological imaging in living cells. <i>RSC Advances</i> , 2015, 5, 5982-5987.	3.6	23
59	Construction and bioimaging application of novel indole heptamethine cyanines containing functionalized tetrahydropyridine rings. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9906-9912.	5.8	23
60	Fluorene-based novel gold(i) complexes with aggregation-induced emission (AIE) or aggregate fluorescence change characteristics: from green to white emission. <i>RSC Advances</i> , 2015, 5, 15341-15349.	3.6	22
61	A dansyl-based fluorescent probe for selectively detecting Cu ²⁺ and imaging in living cells. <i>RSC Advances</i> , 2015, 5, 23666-23670.	3.6	22
62	A Visible-Light-Induced Strategy To Construct Osmanaphthalynes, Osmaanthracyne, and Osmaphenanthryne. <i>Chemistry - A European Journal</i> , 2018, 24, 14891-14895.	3.3	22
63	Mononuclear aggregation-induced emission (AIE)-active gold(I)-isocyanide phosphors: Contrasting phosphorescent mechanochromisms and effect of halogen substitutions on room-temperature phosphorescence nature. <i>Chinese Chemical Letters</i> , 2022, 33, 2522-2526.	9.0	22
64	More is better: aggregation induced luminescence and exceptional chirality and circularly polarized luminescence of chiral gold clusters. <i>Materials Chemistry Frontiers</i> , 2021, 5, 368-374.	5.9	21
65	One-pot syntheses of irida-polycyclic aromatic hydrocarbons. <i>Chemical Science</i> , 2019, 10, 10894-10899.	7.4	20
66	Imide-Modified Dinaphtho[1,2- <i>b</i> :2',1'- <i>d</i>]thiophene and Dinaphtho[1,2- <i>b</i> :2',1'- <i>d</i>]thiophene 13,13-Dioxide: Synthesis and Optoelectronic Properties. <i>Journal of Organic Chemistry</i> , 2015, 80, 8443-8448.	3.2	19
67	Asymmetric oxidation of vinyl- and ethynyl terthiophene ligands in triruthenium complexes. <i>Dalton Transactions</i> , 2016, 45, 768-782.	3.3	19
68	Diphenylamine-Substituted Osmanaphthalene Complexes: Structural, Bonding, and Redox Properties of Unusual Donor-Bridge-Acceptor Systems. <i>Chemistry - A European Journal</i> , 2018, 24, 18998-19009.	3.3	19
69	Cyanine IR-780 for distinguishing 2-amino thiophenols from position isomers. <i>Dyes and Pigments</i> , 2016, 131, 84-90.	3.7	17
70	Different structures modulated mechanochromism and aggregation-induced emission in a series of Gold(I) complexes. <i>Dyes and Pigments</i> , 2018, 156, 74-81.	3.7	17
71	Photoactivatable fluorescence enhanced behaviour of benzo[<i>c</i>][1,2,5]oxadiazole-dressing tetraphenylethene. <i>New Journal of Chemistry</i> , 2018, 42, 6609-6612.	2.8	17
72	Carbazole-based gold complexes with alkyl chains of different lengths: tunable solid-state fluorescence, aggregation-induced emission (AIE), and reversible mechanochromism characteristics. <i>RSC Advances</i> , 2015, 5, 93757-93764.	3.6	16

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73	Elaborately Tuning Intramolecular Electron Transfer Through Varying Oligoacene Linkers in the Bis(diarylamino) Systems. <i>Scientific Reports</i> , 2016, 6, 36310.	3.3	15
74	Aggregation Control of Hemicyanine Fluorescent Dye by Using of Cucurbit[7]uril and Pillar[6]arene. <i>Chinese Journal of Chemistry</i> , 2015, 33, 351-355.	4.9	13
75	Persistent room-temperature phosphorescence or high-contrast phosphorescent mechanochromism: polymorphism-dependent different emission characteristics from a single gold(<i>sc</i>) complex. <i>Dalton Transactions</i> , 2021, 50, 7744-7749.	3.3	13
76	Dppc+PF ₆ ⁻ PdCl ₂ [bmim][PF ₆] a copper-free recyclable catalytic system for Sonogashira coupling reaction. <i>Applied Organometallic Chemistry</i> , 2007, 21, 355-359.	3.5	12
77	Synthesis and Characterization of Dithia[3.3]metaparacyclophane-Bridged Dimetallic Ruthenium Acetylide Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 247-255.	2.0	12
78	Benzo-iridacyclopentadiene complexes: Mechanochromism and the effects of counter anions and halogen ligands. <i>Dyes and Pigments</i> , 2018, 156, 260-266.	3.7	12
79	Single-component gold(<i>sc</i>)-containing highly white-emissive crystals based on a polymorph doping strategy. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1866-1871.	5.9	12
80	Anodic electrochemistry of mono- and dinuclear aminophenylferrocene and diphenylaminoferrocene complexes. <i>Dalton Transactions</i> , 2018, 47, 6112-6123.	3.3	10
81	Multiple Photoluminescent Processes from Pyrene Derivatives with Aggregation- and Mechano-Induced Excimer Emission. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2903-2910.	3.3	10
82	Cyanine-based fluorescent indicator for mercury ion and bioimaging application in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118465.	3.9	10
83	Novel photoswitching dithienylethenes with ferrocene units. <i>Applied Organometallic Chemistry</i> , 2006, 20, 869-873.	3.5	9
84	Rotaxane based on terpyridyl bimetal ruthenium complexes and β ² -cyclodextrin as organic sensitizer for dye-sensitized solar cells. <i>Journal of Coordination Chemistry</i> , 2011, 64, 3062-3067.	2.2	9
85	A Fluorescent Probe for Hg ²⁺ Based on Gold(I) Complex with An Aggregation-Induced Emission Feature. <i>Chinese Journal of Chemistry</i> , 2015, 33, 1064-1068.	4.9	9
86	Dibenzocarbazole-diimides: Synthesis, Solid Structure, Self-Assembly Behavior, and Optoelectronic Properties. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1344-1353.	3.3	9
87	Substituted diethynyl dithia[3.3]paracyclophanes synthetically more accessible new building blocks for molecular scaffolding. <i>New Journal of Chemistry</i> , 2011, 35, 97-102.	2.8	8
88	Rutheniumethynyl-Triarylamine Organic-Inorganic Mixed-Valence Systems: Regulating Ru Electronic Coupling by Different Aryl Bridge Cores. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3338-3349.	3.3	8
89	Dithienylethene-bridged gold(I) isocyanide complexes: Synthesis, photochromism and off-on fluorescent switching behavior. <i>Dyes and Pigments</i> , 2021, 185, 108933.	3.7	7
90	Carbazole-modified gold(I) complexes with different substituents: Aggregate-induced luminescence change, various solid-state phosphorescence, temperature-dependent phosphorescence, and contrasting mechanoluminochromic characteristics. <i>Dyes and Pigments</i> , 2021, 184, 108814.	3.7	7

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91	Nucleophilic Reactions of Osmanaphthalynes with PMe_3 and H_2O . Chemistry - A European Journal, 2021, 27, 9328-9335.	3.3	7
92	Synthesis, Photochromism, and Effects of Metal Ions on Fluorescence of Dithienylethenes Containing Imidazo[2,1-a]isoquinoline. Synthetic Communications, 2013, 43, 1530-1537.	2.1	6
93	Electronic Properties of Oxidized Cyclometalated Iridium Complexes: Spin Delocalization Controlled by the Mutual Position of the Iridium Centers. Chemistry - A European Journal, 2020, 26, 4567-4575.	3.3	6
94	Oxidized divinyl oligoacene-bridged diruthenium complexes: bridged localized radical characters and reduced aromaticity in bridge cores. Dalton Transactions, 2020, 49, 16877-16886.	3.3	6
95	Osmaindenes: Synthesis and Reversible Mechanochromism Characteristics. Chemistry - A European Journal, 2021, 27, 14645-14652.	3.3	6
96	Aggregation-induced conversion from TADF to phosphorescence of gold(I) complexes with millisecond lifetimes. Aggregate, 2023, 4, .	9.9	5
97	Sulfonamide and Morpholine-Based Dual Chemosensor for Cu^{2+} and Ag^{+} in Different Solvent Media. Chinese Journal of Chemistry, 2016, 34, 931-936.	4.9	4
98	New AIE-Active Copolymers with Au(I) Isocyanide Acrylate Units. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 1490-1496.	3.7	4
99	Synthesis, characterization, and properties of conjugated binuclear bis-terpyridyl ruthenium complexes. Transition Metal Chemistry, 2011, 36, 611-615.	1.4	3
100	Synthesis and Properties of Photochromic Diarylethene Containing N-Salicylideneaniline Units. Molecular Crystals and Liquid Crystals, 2012, 557, 84-89.	0.9	3
101	Photochromic and Electrochromic Properties of Dithienylethene-Based Ruthenium Alkynyl Complexes. Molecular Crystals and Liquid Crystals, 2015, 608, 55-61.	0.9	3
102	Rutheniumethynyl-triarylamine mixed-valence conjugated system: syntheses, (spectro-)electrochemistry, and theoretical calculations. Journal of Coordination Chemistry, 2019, 72, 3385-3400.	2.2	3
103	Synthesis and photochromism of dithienylethene-based isocyanide and gold (I) complexes with various alkyl chains. Dyes and Pigments, 2021, 186, 108964.	3.7	3
104	Synthesis of Spirobenzopyrans Bearing Macrocyclic Dioxopolyamine. Molecular Crystals and Liquid Crystals, 2005, 428, 127-130.	0.9	2
105	Reactions of $[\text{Cp}^*\text{Ru}(\text{H}_2\text{O})(\text{NBD})]^+$ with alkynes. Applied Organometallic Chemistry, 2007, 21, 794-797.	3.5	2
106	Donor-Acceptor Naphthylimide: Synthesis and Properties. Molecular Crystals and Liquid Crystals, 2013, 582, 109-114.	0.9	2
107	Construction of Crown Ether-Stoppering [3]Rotaxanes Based on <i>N</i> -Hetero Crown Ether Host. Chinese Journal of Chemistry, 2017, 35, 1050-1056.	4.9	2
108	Bioinformatics Analysis of Methyl Parathion Hydrolase MPH and the Structure Prediction with Homology Modeling. , 2008, , .		1

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109	Excited-State Electronic Asymmetry Prevents Photoswitching in Terthiophene Compounds. <i>Inorganic Chemistry</i> , 2018, 57, 9039-9047.	4.0	1
110	Synthesis and redox properties of cyclometallated iridium (III) complexes modified with arylamino groups. <i>Journal of Organometallic Chemistry</i> , 2020, 930, 121580.	1.8	1
111	Synthesis and properties of 3-fold symmetrical hexabenzocoronene-bridged trinuclear alkynylgold(I) complexes. <i>Journal of Coordination Chemistry</i> , 2021, 74, 1765-1780.	2.2	1
112	Tuning iron-amine electronic coupling by different aromatic bridges based on ferrocene-ethynyl-triarylamine systems. <i>Inorganica Chimica Acta</i> , 2022, 532, 120743.	2.4	1
113	Synthesis of Bimetallic Ruthenium Complexes with an Azobenzene-Containing Ligand. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 460, 17-21.	0.9	0
114	Mononuclear piano-stool iron 2-ethynylbenzo[<i>b</i>]thiophene complex: crystal structure and reversible oxidation studied by spectro-electrochemical and DFT methods. <i>Journal of Coordination Chemistry</i> , 2017, 70, 722-733.	2.2	0
115	Frontispiece: A Highly Reversible Mechanochromic Difluorobenzothiadiazole Dye with Near-Infrared Emission. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0