

Qingguo He

List of Publications by Year in descending order

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all docs

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docs citations

112
times ranked

2864
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the efficiency of solution processable organic photovoltaic devices by a star-shaped molecular geometry. <i>Journal of Materials Chemistry</i> , 2008, 18, 4085.	6.7	160
2	Synthesis and Photovoltaic Properties of a Solution-Processable Organic Molecule Containing Triphenylamine and DCM Moieties. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8661-8666.	3.1	117
3	Binaphthyl-Containing Green- and Red-Emitting Molecules for Solution-Processable Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2008, 18, 3299-3306.	14.9	108
4	Concise and Efficient Fluorescent Probe via an Intramolecular Charge Transfer for the Chemical Warfare Agent Mimi Diethylchlorophosphate Vapor Detection. <i>Analytical Chemistry</i> , 2016, 88, 2497-2501.	6.5	100
5	Synthesis and photovoltaic properties of a star-shaped molecule with triphenylamine as core and benzo[1,2,5]thiadiazol vinylene as arms. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 108-113.	6.2	89
6	High performance aniline vapor detection based on multi-branched fluorescent triphenylamine-benzothiadiazole derivatives: branch effect and aggregation control of the sensing performance. <i>Journal of Materials Chemistry</i> , 2012, 22, 11629.	6.7	74
7	Organic solar cells based on the spin-coated blend films of TPA-th-TPA and PCBM. <i>Solar Energy Materials and Solar Cells</i> , 2006, 90, 1815-1827.	6.2	73
8	Photophysical Properties of Photoactive Molecules with Conjugated Push-Pull Structures. <i>Journal of Physical Chemistry A</i> , 2007, 111, 5806-5812.	2.5	73
9	Solution-Processable Red-Emission Organic Materials Containing Triphenylamine and Benzothiadiazole Units: Synthesis and Applications in Organic Light-Emitting Diodes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7745-7752.	2.6	63
10	Turn on fluorescence sensing of vapor phase electron donating amines via tetraphenylporphyrin or metallophenylporphyrin doped polyfluorene. <i>Chemical Communications</i> , 2010, 46, 7536.	4.1	53
11	Localized Emitting State and Energy Transfer Properties of Quadrupolar Chromophores and (Multi)Branched Derivatives. <i>Journal of Physical Chemistry A</i> , 2012, 116, 8693-8705.	2.5	45
12	Recent progress in thin film fluorescent probe for organic amine vapour. <i>Science China Chemistry</i> , 2016, 59, 3-15.	8.2	45
13	A mild and catalyst-free conversion of solid phase benzylidenemalononitrile/benzylidenemalonate to N-benzylidene-amine and its application for fluorescence detection of primary alkyl amine vapor. <i>Chemical Communications</i> , 2014, 50, 872-874.	4.1	44
14	A highly fluorescent metal organic framework probe for 2,4,6-trinitrophenol detection via post-synthetic modification of UIO-66-NH ₂ . <i>Dyes and Pigments</i> , 2019, 167, 10-15.	3.7	43
15	Design, synthesis and photophysical properties of a hyperbranched conjugated polymer. <i>Thin Solid Films</i> , 2000, 363, 122-125.	1.8	40
16	Synthesis and spectroscopic properties of a series of hyperbranched conjugated molecules with 1,3,5-triphenylbenzene as cores. <i>Journal of Materials Chemistry</i> , 2003, 13, 1085-1089.	6.7	40
17	Two luminescent metal-organic frameworks with multifunctional properties for nitroaromatic compounds sensing and photocatalysis. <i>RSC Advances</i> , 2015, 5, 70086-70093.	3.6	40
18	Simple and Efficient Chromophoric-Fluorogenic Probes for Diethylchlorophosphate Vapor. <i>ACS Sensors</i> , 2018, 3, 1445-1450.	7.8	38

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19	Fluorene-thiophene-based thin-film fluorescent chemosensor for methamphetamine vapor by thiophene-amine interaction. <i>Sensors and Actuators B: Chemical</i> , 2013, 180, 2-7.	7.8	34
20	Highly Efficient Multiple-Anchored Fluorescent Probe for the Detection of Aniline Vapor Based on Synergistic Effect: Chemical Reaction and PET. <i>ACS Sensors</i> , 2017, 2, 687-694.	7.8	34
21	Conjugated Polymer-Titania Nanoparticle Hybrid Films: Random Lasing Action and Ultrasensitive Detection of Explosive Vapors. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4725-4730.	2.6	33
22	A simple but highly efficient multi-formyl phenol-amine system for fluorescence detection of peroxide explosive vapour. <i>Chemical Communications</i> , 2015, 51, 10868-10870.	4.1	33
23	Schiff Base Substituent-Triggered Efficient Deboronation Reaction and Its Application in Highly Sensitive Hydrogen Peroxide Vapor Detection. <i>Analytical Chemistry</i> , 2016, 88, 5507-5512.	6.5	32
24	Highly sensitive vapor detection of amines with fluorescent conjugated polymer: A novel lasing turn-on sensory mechanism. <i>Sensors and Actuators B: Chemical</i> , 2013, 180, 28-34.	7.8	30
25	Composition of Hyperbranched Conjugated Polymers with Nanosized Cadmium Sulfide Particles. <i>Langmuir</i> , 2001, 17, 5978-5983.	3.5	29
26	A novel hyperbranched conjugated polymer for light emitting devices. <i>Polymers for Advanced Technologies</i> , 2004, 15, 43-47.	3.2	29
27	Enhanced two-photon absorption of novel four-branched chromophore via vibronic coupling. <i>Tetrahedron Letters</i> , 2008, 49, 5871-5876.	1.4	29
28	Sensitivity Gains in Chemosensing by Optical and Structural Modulation of Ordered Assembly Arrays of ZnO Nanorods. <i>ACS Nano</i> , 2011, 5, 4293-4299.	14.6	29
29	A highly efficient fluorescent sensor of explosive peroxide vapor via ZnO nanorod array catalyzed deboronation of pyrenyl borate. <i>Chemical Communications</i> , 2012, 48, 5739.	4.1	29
30	Highly fluorescent TPA-PBPV nanofibers with amplified sensory response to TNT. <i>Chemical Physics Letters</i> , 2009, 483, 219-223.	2.6	28
31	Reversible and "fingerprint"-fluorescence differentiation of organic amine vapours using a single conjugated polymer probe. <i>Polymer Chemistry</i> , 2015, 6, 2179-2182.	3.9	28
32	Aggregation State Reactivity Activation of Intramolecular Charge Transfer Type Fluorescent Probe and Application in Trace Vapor Detection of Sarin Mimics. <i>ACS Sensors</i> , 2016, 1, 1054-1059.	7.8	28
33	Self-Stabilized Amorphous Organic Materials with Room-Temperature Phosphorescence. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16018-16022.	13.8	28
34	Characteristics of Twisted Intramolecular Charge-Transfer State in a Hyperbranched Conjugated Polymer. <i>Macromolecular Rapid Communications</i> , 2001, 22, 1152.	3.9	27
35	A BODIPY dye as a reactive chromophoric/fluorogenic probe for selective and quick detection of vapors of secondary amines. <i>Chemical Communications</i> , 2013, 49, 11266.	4.1	27
36	A highly fluorescent post-modified metal organic framework probe for selective, reversible and rapid carbon dioxide detection. <i>Dyes and Pigments</i> , 2020, 172, 107798.	3.7	27

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37	Hyperbranched polymer based fluorescent probes for ppt level nerve agent simulant vapor detection. <i>Analytical Methods</i> , 2017, 9, 1748-1754.	2.7	26
38	Solid-state dye-sensitized photovoltaic device with newly designed small organic molecule as hole-conductor. <i>Chemical Physics Letters</i> , 2007, 445, 259-264.	2.6	25
39	Formation of Covalently Linked Self-Assembled Films of a Functional Hyperbranched Conjugated Poly(Phenylene Vinylene). <i>Journal of Physical Chemistry B</i> , 2001, 105, 4094-4098.	2.6	24
40	Synthesis and properties of high efficiency light emitting hyperbranched conjugated polymers. <i>Thin Solid Films</i> , 2002, 417, 183-187.	1.8	24
41	Amorphous molecular material containing bithiophenyl-benzothiadiazole and triphenylamine with bipolar and low-bandgap characteristics for solar cells. <i>Thin Solid Films</i> , 2008, 516, 5935-5940.	1.8	22
42	Highly fluorescent intramolecular dimmers of two pyrenyl-substituted fluorenes bridged by 1,6-hexanyl: synthesis, spectroscopic, and self-organized properties. <i>Tetrahedron Letters</i> , 2010, 51, 1317-1321.	1.4	22
43	A novel hyperbranched conjugated polymer for electroluminescence application. <i>Synthetic Metals</i> , 2001, 124, 373-377.	3.9	21
44	Naked-Eye Visible Solid Illicit Drug Detection at Picogram Level via a Multiple-Anchored Fluorescent Probe. <i>ACS Sensors</i> , 2016, 1, 312-317.	7.8	21
45	Synthesis and photophysical properties of a novel semiconducting polymer. <i>Polymers for Advanced Technologies</i> , 2004, 15, 84-88.	3.2	20
46	Hyperbranched conjugated polymers for photovoltaic applications. <i>Journal of Applied Polymer Science</i> , 2004, 92, 1459-1466.	2.6	20
47	Highly efficient fluorescent and colorimetric sensing of organic amine vapors based on organometal halide perovskite nanostructures. <i>Analytical Methods</i> , 2017, 9, 3804-3809.	2.7	20
48	Determination of Methamphetamine Hydrochloride by highly fluorescent polyfluorene with NH ₂ -terminated side chains. <i>Synthetic Metals</i> , 2011, 161, 293-297.	3.9	19
49	Borate ester endcapped fluorescent hyperbranched conjugated polymer for trace peroxide explosive vapor detection. <i>RSC Advances</i> , 2015, 5, 29624-29630.	3.6	19
50	Organic light-emitting diode based on a carbazole compound. <i>Synthetic Metals</i> , 2006, 156, 824-827.	3.9	18
51	Soft template-mediated coupling construction of sandwiched mesoporous PPy/Ag nanoplates for rapid and selective NH ₃ sensing. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8308-8316.	10.3	18
52	Detecting methylphenethylamine vapor using fluorescence aggregate concentration quenching materials. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129629.	7.8	18
53	Femtogram Level Detection of Nitrate Ester Explosives via an 8-Pyrenyl-Substituted Fluorene Dimer Bridged by a 1,6-Hexanyl Unit. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8817-8823.	8.0	17
54	Highly efficient nitrate ester explosive vapor probe based on multiple triphenylaminopyrenyl-substituted POSS. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4820-4826.	10.3	17

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55	Poly(phenylene ethynylene)-coated aligned ZnO nanorod arrays for 2,4,6-trinitrotoluene detection. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	16
56	Two-dimensional mesoporous sensing materials. <i>Chinese Chemical Letters</i> , 2020, 31, 521-524.	9.0	15
57	Receptor fluoride fine-tuning of fluorescent polymer probe for highly sensitive fluorescence response of methamphetamine vapor. <i>Dyes and Pigments</i> , 2020, 172, 107852.	3.7	15
58	A Facile Method for Controlling the Molecular Weight of Hyperbranched Light-Emitting Polymers. <i>Macromolecular Rapid Communications</i> , 2006, 27, 302-305.	3.9	14
59	The new approaches to light emitting conjugated polymers—alternating copolymers with hole transport chromophores and hyperbranched polymers. <i>Synthetic Metals</i> , 2001, 119, 179-180.	3.9	13
60	Properties of an alternating copolymer and its applications in LEDs and photovoltaic cells. <i>Thin Solid Films</i> , 2005, 477, 7-13.	1.8	13
61	Design, synthesis and properties of a reactive chromophoric/fluorometric probe for hydrogen peroxide detection. <i>New Journal of Chemistry</i> , 2017, 41, 3790-3797.	2.8	13
62	Pre-polymerization Enables Controllable Synthesis of Nanosheet-based Porphyrin Polymers towards High-performance Li-ion Batteries. <i>Chemistry - A European Journal</i> , 2020, 26, 10433-10438.	3.3	13
63	Unusual spectroscopic properties of PPE/TiO ₂ composite and its sensor response to TNT. <i>Synthetic Metals</i> , 2009, 159, 320-324.	3.9	12
64	Microcrystal induced emission enhancement of a small molecule probe and its use for highly efficient detection of 2,4,6-trinitrophenol in water. <i>Science China Chemistry</i> , 2018, 61, 857-862.	8.2	12
65	Synthesis and characterization of a series of novel hyperbranched conjugated polymers. <i>Polymers for Advanced Technologies</i> , 2002, 13, 196-200.	3.2	11
66	Highly efficient single fluorescent probe for multiple amine vapours via reaction between amine and aldehyde/dioxaborolane. <i>RSC Advances</i> , 2014, 4, 46631-46634.	3.6	11
67	A sensitive and efficient trifluoroacetyl-based aromatic fluorescent probe for organic amine vapour detection. <i>RSC Advances</i> , 2015, 5, 25125-25131.	3.6	11
68	Enhanced fluorescence of functionalized silica microsphere based on whispering gallery mode for nitrate ester explosives and hexogen vapour detection. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2114-2122.	5.5	11
69	Synthesis and photophysical properties of linear and hyperbranched conjugated polymer. <i>Science Bulletin</i> , 2001, 46, 636-641.	1.7	10
70	Facile synthesis and properties of binaphthyl-containing blue light emitting materials. <i>Journal of Luminescence</i> , 2007, 122-123, 674-677.	3.1	10
71	A novel chemosensor-bipyridyl end capped hyperbranched conjugated polymer. <i>Chinese Chemical Letters</i> , 2011, 22, 725-728.	9.0	9
72	Highly emissive salicylidene Schiff bases (SASBs) in solution and their application in the detection of the chemical warfare agent mimic diethyl chlorophosphate. <i>Analytical Methods</i> , 2018, 10, 1709-1714.	2.7	9

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73	Synthesis and photophysical properties of alternating copolymers containing triphenylamine moieties. <i>Polymers for Advanced Technologies</i> , 2003, 14, 309-313.	3.2	8
74	Photoinduced partial charge transfer between conjugated polymer and fullerene in solutions. <i>Applied Physics Letters</i> , 2004, 84, 2980-2982.	3.3	8
75	Synthesis, crystal structure and spectroscopic properties of an unsymmetrical compound with carbazole and benzothiadiazole units. <i>Tetrahedron Letters</i> , 2007, 48, 4249-4253.	1.4	8
76	Attogram Methanol Detection Enabled by Selective Organic Crystal Disaggregation via Directed Crystal Level Interactions. <i>Analytical Chemistry</i> , 2018, 90, 1402-1407.	6.5	8
77	Ultrasensitive and direct fluorescence detection of RDX explosive vapor via side-chain terminal functionalization of a polyfluorene probe. <i>Analytical Methods</i> , 2018, 10, 1695-1702.	2.7	8
78	Synthesis and Characterization of a Novel Hyperbranched Oligomer with 1,3,5-trisphenylbenzene as Cores. <i>Synthetic Metals</i> , 2003, 135-136, 165-166.	3.9	7
79	Photophysics and Applications in Plastic Solar Cells of Conjugated Polymer/Fullerene Composites. <i>Polymers and Polymer Composites</i> , 2003, 11, 679-689.	1.9	7
80	High open-circuit-voltage organic solar cell based on two solution-processible triphenylamine-containing compounds. <i>Proceedings of SPIE</i> , 2007, , .	0.8	7
81	Synthesis and two-photon up-conversion sensing property of pyridinylbenzothiadiazole-based chromophores. <i>Dyes and Pigments</i> , 2014, 102, 133-141.	3.7	7
82	A new method to synthesize Sub-10 nm CaF ₂ : Nd ³⁺ nanoparticles and fluorescent enhancement via Li ⁺ ions or Ce ³⁺ ions doping. <i>Dyes and Pigments</i> , 2020, 175, 108129.	3.7	7
83	Constructing polymers towards ultrathin nanosheets with dual mesopores and intrinsic photoactivity. <i>Chemical Communications</i> , 2020, 56, 3191-3194.	4.1	7
84	Direct and ultrasensitive fluorescence detection of PETN vapor based on a fluorene-dimer probe via a synergic backbone and side-chain tuning. <i>Analytical Methods</i> , 2018, 10, 2567-2574.	2.7	6
85	Self-assembled hyperbranched poly(para-Phenylene vinylene) monolayers: fabrication and characterization. <i>Polymers for Advanced Technologies</i> , 2003, 14, 341-348.	3.2	5
86	Fluorescent diphenylfluorene-pyrenyl copolymer with dibenzothiophene-S,S-dioxide and adamantane units for explosive vapor detection. <i>RSC Advances</i> , 2015, 5, 4853-4860.	3.6	5
87	Rational Construction of Highly Tunable Organic Charge-Transfer Complexes for Chemiresistive Sensor Applications. <i>ACS Applied Bio Materials</i> , 2019, 2, 3678-3685.	4.6	5
88	A very sensitive and highly selective organic selector in CNTs composite chemiresistive for efficient differentiation of organic amine vapours. <i>Talanta</i> , 2019, 199, 698-704.	5.5	5
89	A selective and stepwise aggregation of a new fluorescent probe for dinitrate explosive differentiation by self-adaptive host-guest interaction. <i>Science China Chemistry</i> , 2020, 63, 116-125.	8.2	5
90	Block Copolymer Directed Synthesis of Conjugated Polyimine Nanospheres with Multichambered Mesopores. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000061.	2.2	5

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91	Micro-interfaces modulation by UV-irradiation ozone substrate treatment for MPEA vapor fluorescence detection. <i>Nano Research</i> , 2023, 16, 4055-4060.	10.4	5
92	Synthesis, characterization and Cis-Trans photoisomerization of a series of hyperbranched conjugated polymers. <i>Polymers for Advanced Technologies</i> , 2003, 14, 297-302.	3.2	4
93	Synthesis and Characterization of a Water-soluble Hyperbranched Poly(p-phenylene vinylene) (WHPV). <i>Synthetic Metals</i> , 2003, 135-136, 163-164.	3.9	4
94	Photo- and electroluminescence from hyperbranched phenylene vinylenes. <i>Synthetic Metals</i> , 2003, 139, 417-423.	3.9	4
95	Synthesis and properties of a star-shaped organic material with triphenylamine and N-vinyl carbazole units. <i>Chinese Chemical Letters</i> , 2007, 18, 920-922.	9.0	4
96	Dual functional and multiple substituted fluorescent star-shaped POSS for a 1 + 1 > 2 explosive vapour detection. <i>RSC Advances</i> , 2016, 6, 51403-51406.	3.6	4
97	Self-Stabilized Amorphous Organic Materials with Room-Temperature Phosphorescence. <i>Angewandte Chemie</i> , 2019, 131, 16164-16168.	2.0	4
98	A facile approach for significantly enhancing fluorescent gas sensing by oxygen plasma treatments. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129397.	7.8	4
99	Research progress of breath figure method in device application. <i>Chinese Journal of Analytical Chemistry</i> , 2022, 50, 44-52.	1.7	4
100	Tri-probe fluorescent sensor array for a wide concentration range and high precision identification of aqueous organic amines. <i>Sensors and Actuators B: Chemical</i> , 2022, 358, 131519.	7.8	4
101	In Situ Turn-On Room Temperature Phosphorescence and Vapor Ultra-sensitivity at Lifetime Mode. <i>Analytical Chemistry</i> , 2022, 94, 5190-5195.	6.5	4
102	Light-emitting alternating copolymers and their intramolecular charge transfer state. <i>Polymers for Advanced Technologies</i> , 2003, 14, 303-308.	3.2	3
103	Preparation and photophysical properties of a hyperbranched conjugated polymer-bound gold nanoassembly. <i>Research on Chemical Intermediates</i> , 2004, 30, 527-536.	2.7	3
104	Electroluminescent and photovoltaic properties of an alternating copolymer containing hole transporting moieties. <i>Synthetic Metals</i> , 2003, 135-136, 167-168.	3.9	2
105	Self-assembly of Nanoparticles via Conjugated Polymer Film Matrix. <i>Synthetic Metals</i> , 2003, 135-136, 821-822.	3.9	2
106	More Interaction Sites and Enhanced Fluorescence for Highly Sensitive Fluorescence Detection of Methamphetamine Vapor via Sidechain Terminal Functionalization of Conjugated Polymers. <i>ChemistrySelect</i> , 2020, 5, 8328-8337.	1.5	2
107	Supramolecule-Originated Emission: A Room-Temperature Phosphorescence 2D Ionic H-Bond Network from Nonemissive Aliphatic Derivatives. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61528-61535.	8.0	2
108	Reactivity triggered by an organic microcrystal interface: a case study involving an environmentally benign, aromatic boric acid reaction. <i>Chemical Communications</i> , 2020, 56, 11114-11117.	4.1	1

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109	High-sensitivity sensor array base on molecular design and machine learning for amine differentiation in exhaled vapor. Chinese Journal of Analytical Chemistry, 2022, 50, 100059.	1.7	1
110	Quantum dots/polymer composite system for turn-on fluorescent detection of peroxide hydrogen. , 2013, , .		0
111	Fluorescent Enhancement of CaF ₂ :Nd ³⁺ Nanoparticles through a Concentrationâ€Gradient Core/Shell Hybrid Structure. ChemistrySelect, 2021, 6, 2988-2993.	1.5	0
112	Intelligent sensor array based on machine learning. , 2020, , .		0