

# Yu Fang

## List of Publications by Year in descending order

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264  
papers

7,483  
citations

57752

44  
h-index

95259

68  
g-index

265  
all docs

265  
docs citations

265  
times ranked

6580  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel picric acid film sensor via combination of the surface enrichment effect of chitosan films and the aggregation-induced emission effect of siloles. <i>Journal of Materials Chemistry</i> , 2009, 19, 7347.	6.7	330
2	An Organometallic Superâ€Gelator with Multipleâ€Stimulus Responsive Properties. <i>Advanced Materials</i> , 2008, 20, 2508-2511.	21.0	230
3	Pyrene-Containing Conjugated Polymer-Based Fluorescent Films for Highly Sensitive and Selective Sensing of TNT in Aqueous Medium. <i>Macromolecules</i> , 2011, 44, 4759-4766.	4.8	173
4	How Do Liquid Mixtures Solubilize Insoluble Gelators? Self-Assembly Properties of Pyrenyl-Linker-Glucono Gelators in Tetrahydrofuranâ€Water Mixtures. <i>Journal of the American Chemical Society</i> , 2013, 135, 8989-8999.	13.7	149
5	Chemically assembled monolayers of fluorophores as chemical sensing materials. <i>Chemical Society Reviews</i> , 2010, 39, 4258.	38.1	132
6	Coordination-Driven Self-Assembled Metallacycles Incorporating Pyrene: Fluorescence Mutability, Tunability, and Aromatic Amine Sensing. <i>Journal of the American Chemical Society</i> , 2019, 141, 1757-1765.	13.7	126
7	Preparation and properties of chitosan-poly(N-isopropylacrylamide) full-IPN hydrogels. <i>Reactive and Functional Polymers</i> , 2001, 48, 215-221.	4.1	119
8	Non-contact identification and differentiation of illicit drugs using fluorescent films. <i>Nature Communications</i> , 2018, 9, 1695.	12.8	113
9	A Novel PV Microinverter With Coupled Inductors and Double-Boost Topology. <i>IEEE Transactions on Power Electronics</i> , 2010, 25, 3139-3147.	7.9	109
10	Fluorescent Sensors for Nitroaromatic Compounds Based on Monolayer Assembly of Polycyclic Aromatics. <i>Langmuir</i> , 2007, 23, 1584-1590.	3.5	101
11	Glucose-Based Fluorescent Low-Molecular Mass Compounds: Creation of Simple and Versatile Supramolecular Gelators. <i>Langmuir</i> , 2010, 26, 5909-5917.	3.5	96
12	Simple design but marvelous performances: molecular gels of superior strength and self-healing properties. <i>Soft Matter</i> , 2013, 9, 1091-1099.	2.7	91
13	Micelle-Induced Versatile Sensing Behavior of Bispyrene-Based Fluorescent Molecular Sensor for Picric Acid and PYX Explosives. <i>Langmuir</i> , 2014, 30, 7645-7653.	3.5	90
14	N-Acetylglucosamine-based efficient, phase-selective organogelators for oil spill remediation. <i>Chemical Communications</i> , 2014, 50, 13940-13943.	4.1	88
15	New Dicholesteryl-Based Gelators:â€ Chirality and Spacer Length Effect. <i>Langmuir</i> , 2008, 24, 2992-3000.	3.5	80
16	Fluorescent Film Sensor for Vapor-Phase Nitroaromatic Explosives via Monolayer Assembly of Oligo(diphenylsilane) on Glass Plate Surfaces. <i>Chemistry of Materials</i> , 2009, 21, 1494-1499.	6.7	79
17	Bispyrene/surfactant assemblies as fluorescent sensor platform: detection and identification of Cu <sup>2+</sup> and Co <sup>2+</sup> in aqueous solution. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8866.	10.3	79
18	Functionality-Oriented Derivatization of Naphthalene Diimide: A Molecular Gel Strategy-Based Fluorescent Film for Aniline Vapor Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 18584-18592.	8.0	76

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19	Amino Acid Derivatives of Cholesterol as "Latent" Organogelators with Hydrogen Chloride as a Protonation Reagent. <i>Langmuir</i> , 2006, 22, 7016-7020.	3.5	74
20	Cholesteryl derivatives as phase-selective gelators at room temperature. <i>Tetrahedron</i> , 2009, 65, 3369-3377.	1.9	73
21	An Ultrasensitive Fluorescent Sensing Nanofilm for Organic Amines Based on Cholesterol-Modified Perylene Bisimide. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1576-1582.	3.3	72
22	Single-layer assembly of pyrene end-capped terthiophene and its sensing performances to nitroaromatic explosives. <i>Journal of Materials Chemistry</i> , 2012, 22, 1069-1077.	6.7	69
23	Monomolecular Layers of Pyrene as a Sensor to Dicarboxylic Acids. <i>Journal of Physical Chemistry B</i> , 2004, 108, 1207-1213.	2.6	68
24	A novel low-molecular-mass gelator with a redox active ferrocenyl group: Tuning gel formation by oxidation. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 397-404.	9.4	66
25	Ultra-low density porous polystyrene monolith: facile preparation and superior application. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10135.	10.3	66
26	Self-Assembled Perylene Bisimide-Cored Trigonal Prism as an Electron-Deficient Host for C <sub>60</sub> and C <sub>70</sub> Driven by "Like Dissolves Like". <i>Journal of the American Chemical Society</i> , 2020, 142, 15950-15960.	13.7	64
27	Preparation and properties of chitosan-poly(N-isopropylacrylamide) semi-IPN hydrogels. , 2000, 38, 474-481.		60
28	Cholesterol-based low-molecular mass gelators towards smart ionogels. <i>Soft Matter</i> , 2012, 8, 11697.	2.7	60
29	Preparation of Novel W/O Gel-Emulsions and Their Application in the Preparation of Low-Density Materials. <i>Langmuir</i> , 2012, 28, 9275-9281.	3.5	57
30	Novel Dimeric Cholesteryl Derivatives and Their Smart Thixotropic Gels. <i>Langmuir</i> , 2011, 27, 12156-12163.	3.5	56
31	Ternary System Based on Fluorophore "Surfactant Assemblies" Cu <sup>2+</sup> for Highly Sensitive and Selective Detection of Arginine in Aqueous Solution. <i>Langmuir</i> , 2014, 30, 15364-15372.	3.5	56
32	Spacer Layer Screening Effect: A Novel Fluorescent Film Sensor for Organic Copper(II) Salts. <i>Langmuir</i> , 2006, 22, 841-845.	3.5	55
33	Smart magnetic ionic liquid-based Pickering emulsions stabilized by amphiphilic Fe <sub>3</sub> O <sub>4</sub> nanoparticles: Highly efficient extraction systems for water purification. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 213-222.	9.4	55
34	Preparation of pyrene-functionalized fluorescent film with a benzene ring in spacer and sensitive detection to picric acid in aqueous phase. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 217, 356-362.	3.9	54
35	Discrimination of saturated alkanes and relevant volatile compounds via the utilization of a conceptual fluorescent sensor array based on organoboron-containing polymers. <i>Chemical Science</i> , 2018, 9, 1892-1901.	7.4	54
36	Bispyrene/Surfactant-Assembly-Based Fluorescent Sensor Array for Discriminating Lanthanide Ions in Aqueous Solution. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 16156-16165.	8.0	53

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37	Synthesis of Novel Metal Sulfide Polymer Composite Microspheres Exhibiting Patterned Surface Structures. <i>Langmuir</i> , 2004, 20, 263-265.	3.5	51
38	Water-in-oil gel emulsions from a cholesterol derivative: Structure and unusual properties. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 780-785.	9.4	51
39	A single fluorescent self-assembled monolayer film sensor with discriminatory power. <i>Journal of Materials Chemistry</i> , 2012, 22, 11574.	6.7	50
40	Calix[4]arene-based supramolecular gels with unprecedented rheological properties. <i>Soft Matter</i> , 2012, 8, 3756.	2.7	49
41	Rebalancing microbial carbon distribution for L-threonine maximization using a thermal switch system. <i>Metabolic Engineering</i> , 2020, 61, 33-46.	7.0	49
42	New dicholesteryl-based gelators: gelling ability and selective gelation of organic solvents from their mixtures with water at room temperature. <i>New Journal of Chemistry</i> , 2008, 32, 2218.	2.8	47
43	Photochemical Stabilization of Terthiophene and Its Utilization as a New Sensing Element in the Fabrication of Monolayer-Chemistry-Based Fluorescent Sensing Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 1245-1253.	8.0	47
44	Facile preparation of porous polymeric composite monoliths with superior performances in oil-water separation a low-molecular mass gelators-based gel emulsion approach. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10081-10089.	10.3	46
45	Fabrication of a new fluorescent film and its superior sensing performance to N-methamphetamine in vapor phase. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 255-262.	7.8	46
46	Highly Sensitive and Discriminative Detection of BTEX in the Vapor Phase: A Film-Based Fluorescent Approach. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 35647-35655.	8.0	46
47	Protein Binding-Induced Surfactant Aggregation Variation: A New Strategy of Developing Fluorescent Aqueous Sensor for Proteins. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4728-4736.	8.0	44
48	Mechanochromic Wide-Spectrum Luminescence Based on a Monoboron Complex. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 8676-8684.	8.0	43
49	Mechano-responsive calix[4]arene-based molecular gels: agitation induced gelation and hardening. <i>Soft Matter</i> , 2013, 9, 5807.	2.7	42
50	Detection and Identification of Cu <sup>2+</sup> and Hg <sup>2+</sup> Based on the Cross-reactive Fluorescence Responses of a Dansyl-Functionalized Film in Different Solvents. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 49-56.	8.0	42
51	Spatially Confined Growth of Fullerene to Super-Long Crystalline Fibers in Supramolecular Gels for High-Performance Photodetector. <i>Advanced Materials</i> , 2019, 31, e1808254.	21.0	42
52	A ternary sensor system based on pyrene derivative-SDS assemblies-Cu <sup>2+</sup> displaying dual responsive signals for fast detection of arginine and lysine in aqueous solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 314, 66-74.	3.9	41
53	Progress in the studies of low-molecular mass gelators with unusual properties. <i>Science China Chemistry</i> , 2011, 54, 575-586.	8.2	40
54	Novel Method for Preparation of Structural Microspheres Poly(N-isopropylacrylamide-co-acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	6.7	39

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55	A Butterfly-Shaped Pyrene Derivative of Cholesterol and Its Uses as a Fluorescent Probe. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5659-5667.	2.6	39
56	A Perylene Bisimide-Contained Molecular Dyad with High-Efficient Charge Separation: Switchability, Tunability, and Applicability in Moisture Detection. <i>Advanced Functional Materials</i> , 2019, 29, 1905295.	14.9	39
57	A surfactant-modulated fluorescent sensor with pattern recognition capability: sensing and discriminating multiple heavy metal ions in aqueous solution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18488-18496.	10.3	38
58	Dual-Mode Photonic Sensor Array for Detecting and Discriminating Hydrazine and Aliphatic Amines. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 11084-11093.	8.0	38
59	Perylene Bisimide Derivative-Based Fluorescent Film Sensors: From Sensory Materials to Device Fabrication. <i>Langmuir</i> , 2020, 36, 2155-2169.	3.5	38
60	Molecular engineered silica surfaces with an assembled anthracene monolayer as a fluorescent sensor for organic copper(II) salts. <i>Applied Surface Science</i> , 2007, 253, 4123-4131.	6.1	37
61	Fluorescent Films Based on Molecular-Gel Networks and Their Sensing Performances. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 9830-9836.	8.0	36
62	A high performance fluorescent arylamine sensor toward lung cancer sniffing. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 1316-1323.	7.8	36
63	Flexible and Transparent Oligothiophene-Carborane-Containing Hybrid Films for Nonlinear Optical Limiting Based on Efficient Two-Photon Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 28985-28995.	8.0	36
64	A General Method to Develop Highly Environmentally Sensitive Fluorescent Probes and AIEgens. <i>Advanced Science</i> , 2022, 9, e2104609.	11.2	35
65	Recent advances in fluorescent film sensing from the perspective of both molecular design and film engineering. <i>Molecular Systems Design and Engineering</i> , 2016, 1, 242-257.	3.4	34
66	Molecular Gels as Intermediates in the Synthesis of Porous Materials and Fluorescent Films: Concepts and Applications. <i>Langmuir</i> , 2017, 33, 10419-10428.	3.5	34
67	Film-Based Fluorescent Sensor for Monitoring Ethanol-Water-Mixture Composition via Vapor Sampling. <i>Analytical Chemistry</i> , 2018, 90, 14088-14093.	6.5	34
68	Preparation and nitromethane sensing properties of chitosan thin films containing pyrene and $\beta$ -cyclodextrin units. <i>Thin Solid Films</i> , 2003, 440, 255-260.	1.8	33
69	Synthesis, optical properties and explosive sensing performances of a series of novel $\pi$ -conjugated aromatic end-capped oligothiophenes. <i>Journal of Hazardous Materials</i> , 2013, 246-247, 52-60.	12.4	33
70	Zinc-Reduced CQDs with Highly Improved Stability, Enhanced Fluorescence, and Refined Solid-State Applications. <i>Chemistry of Materials</i> , 2017, 29, 5957-5964.	6.7	33
71	Fast, sensitive, selective and reversible fluorescence monitoring of TATP in a vapor phase. <i>Chemical Communications</i> , 2019, 55, 941-944.	4.1	33
72	Nondestructive Evaluation of Fish Freshness through Nanometer-Thick Fluorescence-Based Amine-Sensing Films. <i>ACS Applied Nano Materials</i> , 2021, 4, 2575-2582.	5.0	33

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73	Preparation and gelling properties of sugar-contained low-molecular-mass gelators: Combination of cholesterol and linear glucose. <i>Tetrahedron</i> , 2010, 66, 2961-2968.	1.9	32
74	Preparation of novel organometallic derivatives of cholesterol and their gel-formation properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 362, 127-134.	4.7	32
75	Marriage of Aggregation-Induced Emission and Intramolecular Charge Transfer toward High Performance Film-Based Sensing of Phenolic Compounds in the Air. <i>Analytical Chemistry</i> , 2019, 91, 14451-14457.	6.5	32
76	Synthesis and solvent-sensitive fluorescence properties of a novel surface-functionalized chitosan film: potential materials for reversible information storage. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 135, 141-145.	3.9	31
77	Sensing performance enhancement via chelating effect: A novel fluorescent film chemosensor for copper ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 186, 143-150.	3.9	31
78	Terthiophene Derivatives of Cholesterol-Based Molecular Gels and Their Sensing Applications. <i>Langmuir</i> , 2014, 30, 1257-1265.	3.5	31
79	Polymerizable organo-gelator-stabilized gel-emulsions toward the preparation of compressible porous polymeric monoliths. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15215-15223.	10.3	31
80	Salt Tunable Rheology of Thixotropic Supramolecular Organogels and Their Applications for Crystallization of Organic Semiconductors. <i>Langmuir</i> , 2016, 32, 12805-12813.	3.5	31
81	Preparation and mechanism of Fe <sub>3</sub> O <sub>4</sub> /Au core/shell super-paramagnetic microspheres. <i>Science in China Series B: Chemistry</i> , 2001, 44, 404-410.	0.8	30
82	Preparation of spherical nanostructured poly(methacrylic acid)/PbS composites by a microgel template method. <i>Journal of Colloid and Interface Science</i> , 2004, 272, 321-325.	9.4	30
83	A New Strategy for Designing Conjugated Polymer-Based Fluorescence Sensing Films via Introduction of Conformation Controllable Side Chains. <i>Macromolecules</i> , 2011, 44, 703-710.	4.8	30
84	Towards a new FRET system via combination of pyrene and perylene bisimide: synthesis, self-assembly and fluorescence behavior. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5441-5449.	2.8	30
85	Fluorescent Ensemble Based on Bispyrene Fluorophore and Surfactant Assemblies: Sensing and Discriminating Proteins in Aqueous Solution. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 22487-22496.	8.0	30
86	Novel dimeric cholesteryl-based A(LS) <sub>2</sub> low-molecular-mass gelators with a benzene ring in the linker. <i>Journal of Colloid and Interface Science</i> , 2008, 327, 94-101.	9.4	29
87	Solvatochromic Probes Displaying Unprecedented Organic Liquids Discriminating Characteristics. <i>Analytical Chemistry</i> , 2016, 88, 10167-10175.	6.5	29
88	Twisted intra-molecular electron transfer phenomenon of dansyl immobilized on chitosan film and its sensing property to the composition of ethanol/water mixtures. <i>Thin Solid Films</i> , 2005, 478, 318-325.	1.8	28
89	Fluorescent Ensemble Sensors and Arrays Based on Surfactant Aggregates Encapsulating Pyrene-Derived Fluorophores for Differentiation Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 18395-18412.	8.0	28
90	Surfactant Aggregates Encapsulating and Modulating: An Effective Way to Generate Selective and Discriminative Fluorescent Sensors. <i>Langmuir</i> , 2019, 35, 326-341.	3.5	27

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91	Unambiguous Discrimination and Detection of Controlled Chemical Vapors by a Film-Based Fluorescent Sensor Array. <i>Advanced Materials Technologies</i> , 2019, 4, 1800644.	5.8	27
92	Perylene Bisimide and Naphthyl-Based Molecular Dyads: Hydrogen Bonds Driving Coplanarization and Anomalous Temperature-Response Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8579-8585.	13.8	27
93	A portable and autonomous multichannel fluorescence detector for on-line and in situ explosive detection in aqueous phase. <i>Lab on A Chip</i> , 2012, 12, 4821.	6.0	26
94	Single-Benzene-Based Solvatochromic Chromophores: Color-Tunable and Bright Fluorescence in the Solid and Solution States. <i>Chemistry - A European Journal</i> , 2019, 25, 16732-16739.	3.3	26
95	Hydrogen-Bond Disrupting Electrolytes for Fast and Stable Proton Batteries. <i>Small</i> , 2022, 18, e2201449.	10.0	26
96	Fluorescence behaviors of 5-dimethylamino-1-naphthalene-sulfonyl-functionalized self-assembled monolayer on glass wafer surface and its sensing properties for nitrobenzene. <i>Thin Solid Films</i> , 2007, 515, 3112-3119.	1.8	25
97	Systematic Molecular Engineering of a Series of Aniline-Based Squaraine Dyes and Their Structure-Related Properties. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3994-4008.	3.1	25
98	Gel-emulsion templated polymeric monoliths for efficient removal of particulate matters. <i>Chemical Engineering Journal</i> , 2018, 339, 14-21.	12.7	25
99	Gel-Emulsion-Templated Polymeric Aerogels for Water Treatment by Organic Liquid Removal and Solar Vapor Generation. <i>ChemSusChem</i> , 2020, 13, 749-755.	6.8	25
100	A pyrene-based fluorescent sensor for ratiometric detection of heparin and its complex with heparin for reversed ratiometric detection of protamine in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 198-205.	3.9	24
101	Polymerizable Nonconventional Gel Emulsions and Their Utilization in the Template Preparation of Low-Density, High-Strength Polymeric Monoliths and 3D Printing. <i>Macromolecules</i> , 2019, 52, 2456-2463.	4.8	24
102	Dual-Phase Emission AIEgen with ICT Properties for VOC Chromic Sensing. <i>Analytical Chemistry</i> , 2021, 93, 8501-8507.	6.5	24
103	Preparation of metal sulfide-polymer composite microspheres with patterned surface structures. <i>Chemical Communications</i> , 2004, , 804-805.	4.1	23
104	A novel pyrene-based film: Preparation, optical properties and sensitive detection of organic copper(II) salts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 188, 351-357.	3.9	23
105	Supramolecular gels based on organic diacid monoamides of cholesteryl glycinate. <i>Journal of Colloid and Interface Science</i> , 2008, 327, 233-242.	9.4	23
106	A dansyl-based fluorescent film: Preparation and sensitive detection of nitroaromatics in aqueous phase. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 197, 226-231.	3.9	23
107	Monomolecular-layer assembly of oligothiophene on glass wafer surface and its fluorescence sensitization by formaldehyde vapor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 202, 178-184.	3.9	23
108	Synergetic Effect Based Gel-Emulsions and Their Utilization for the Template Preparation of Porous Polymeric Monoliths. <i>Langmuir</i> , 2014, 30, 13680-13688.	3.5	23

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109	Ferrocene-containing thixotropic molecular gels: Creation and a novel strategy for water purification. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 374-379.	9.4	23
110	Compressible porous hybrid monoliths: preparation via a low molecular mass gelators-based gel-emulsion approach and exceptional performances. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24322-24332.	10.3	23
111	A novel calix[4]arene-based dimeric-cholesteryl derivative: synthesis, gelation and unusual properties. <i>New Journal of Chemistry</i> , 2015, 39, 639-649.	2.8	23
112	Detection of gaseous amines with a fluorescent film based on a perylene bisimide-functionalized copolymer. <i>New Journal of Chemistry</i> , 2018, 42, 12737-12744.	2.8	23
113	Developing A Semi-Markov Process Model for Bridge Deterioration Prediction in Shanghai. <i>Sustainability</i> , 2019, 11, 5524.	3.2	23
114	Gel-emulsion templated polymeric aerogels for solar-driven interfacial evaporation and electricity generation. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1953-1961.	5.9	23
115	High-Performance Sensing of Formic Acid Vapor Enabled by a Newly Developed Nanofilm-Based Fluorescent Sensor. <i>Analytical Chemistry</i> , 2021, 93, 7094-7101.	6.5	23
116	Immobilization of pyrene via diethylenetriamine on quartz plate surface for recognition of dicarboxylic acids. <i>Applied Surface Science</i> , 2006, 252, 3884-3893.	6.1	22
117	Alternative Copolymerization of a Conjugated Segment and a Flexible Segment and Fabrication of a Fluorescent Sensing Film for HCl in the Vapor Phase. <i>Chemistry - an Asian Journal</i> , 2013, 8, 101-107.	3.3	22
118	Creation of Reduced Graphene Oxide Based Field Effect Transistors and Their Utilization in the Detection and Discrimination of Nucleoside Triphosphates. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 10718-10726.	8.0	21
119	Film-based fluorescence sensing: a "chemical nose" for nicotine. <i>Chemical Communications</i> , 2019, 55, 12679-12682.	4.1	21
120	Flower-Like SiO <sub>2</sub> -Coated Polymer/Fe <sub>3</sub> O <sub>4</sub> Composite Microspheres of Super-Paramagnetic Properties: Preparation via A Polymeric Microgel Template Method. <i>Journal of the American Ceramic Society</i> , 2007, 90, 2067-2072.	3.8	20
121	Functionality-oriented molecular gels: synthesis and properties of nitrobenzoxadiazole (NBD)-containing low-molecular mass gelators. <i>Soft Matter</i> , 2014, 10, 9159-9166.	2.7	20
122	A perylene bisimide derivative with pyrene and cholesterol as modifying structures: synthesis and fluorescence behavior. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12221-12230.	2.8	20
123	New solvatochromic probes: performance enhancement via regulation of excited state structures. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25210-25220.	2.8	20
124	A single discriminative sensor based on supramolecular self-assemblies of an amphiphilic cholic acid-modified fluorophore for identifying multiple proteins. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 336-346.	7.8	20
125	Calix[4]arene-Based Dynamic Covalent Gels: Marriage of Robustness, Responsiveness, and Self-Healing. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700679.	3.9	20
126	High-Performance Ketone Sensing in Vapor Phase Enabled by <i>o</i> -Carborane-Modified Cyclometalated Alkynyl-Gold(III) Complex-Based Fluorescent Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 5625-5633.	8.0	20



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127	Fluorescence properties of immobilized pyrene on quartz surface. <i>Materials Chemistry and Physics</i> , 2003, 77, 185-191.	4.0	19
128	Experimental Studies on A New Fluorescent Ensemble of Calix[4]pyrrole and Its Sensing Performance in the Film State. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 29128-29135.	8.0	19
129	Dynamic Chemistry-Based Sensing: A Molecular System for Detection of Saccharide, Formaldehyde, and the Silver Ion. <i>Analytical Chemistry</i> , 2017, 89, 9360-9367.	6.5	19
130	Specially Treated Aramid Fiber Stabilized Gel-Emulsions: Preparation of Porous Polymeric Monoliths and Highly Efficient Removing of Airborne HCHO. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700270.	3.9	19
131	A film-based fluorescent device for vapor phase detection of acetone and related peroxide explosives. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1218-1224.	5.9	19
132	High-Performance Trichloroacetic Acid Sensor Based on the Intramolecular Hydrogen Bond Formation and Disruption of a Specially Designed Fluorescent <i>o</i> -Carborane Derivative in the Film State. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 19342-19350.	8.0	19
133	Strong Dynamic Interfacial Adhesion by Polymeric Ionic Liquids under Extreme Conditions. <i>ACS Nano</i> , 2022, 16, 5303-5315.	14.6	19
134	Preparation of silver-poly(acrylamide-co-methacrylic acid) composite microspheres with patterned surface structures. <i>Colloid and Polymer Science</i> , 2006, 284, 1221-1228.	2.1	18
135	Cholesterol modified OPE functionalized film: fabrication, fluorescence behavior and sensing performance. <i>Journal of Materials Chemistry</i> , 2012, 22, 7529.	6.7	18
136	Reunderstanding the Fluorescent Behavior of Four-Coordinate Monoboron Complexes Containing Monoanionic Bidentate Ligands. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6189-6199.	2.6	18
137	Langmuir-Blodgett films of perylene bisimide derivatives and fluorescent recognition of diamines. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23898-23904.	2.8	18
138	Squaraine-hydrazine adducts for fast and colorimetric detection of aldehydes in aqueous media. <i>Sensors and Actuators B: Chemical</i> , 2019, 292, 88-93.	7.8	18
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