

# Hui Feng

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85  
papers

4,174  
citations

34  
h-index

63  
g-index

92  
ext. papers

4,755  
ext. citations

6.6  
avg, IF

5.71  
L-index

#	Paper	IF	Citations
85	Highly luminescent N-doped carbon quantum dots as an effective multifunctional fluorescence sensing platform. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 2254-63	4.8	340
84	Si-doped carbon quantum dots: a facile and general preparation strategy, bioimaging application, and multifunctional sensor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 6797-805	9.5	259
83	B-doped carbon quantum dots as a sensitive fluorescence probe for hydrogen peroxide and glucose detection. <i>Analyst, The</i> , <b>2014</b> , 139, 2322-5	5	217
82	A fluorescent nanosensor based on graphene quantum dots-aptamer probe and graphene oxide platform for detection of lead (II) ion. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 225-231	11.8	198
81	Carbon quantum dots-based recyclable real-time fluorescence assay for alkaline phosphatase with adenosine triphosphate as substrate. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 2966-73	7.8	171
80	A real-time fluorescent assay for the detection of alkaline phosphatase activity based on carbon quantum dots. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 675-680	11.8	168
79	Surface functionalization of graphene quantum dots with small organic molecules from photoluminescence modulation to bioimaging applications: an experimental and theoretical investigation. <i>RSC Advances</i> , <b>2013</b> , 3, 14571	3.7	156
78	Facile synthesis of P-doped carbon quantum dots with highly efficient photoluminescence. <i>RSC Advances</i> , <b>2014</b> , 4, 5465	3.7	148
77	A universal fluorescence sensing strategy based on biocompatible graphene quantum dots and graphene oxide for the detection of DNA. <i>Nanoscale</i> , <b>2014</b> , 6, 5671-4	7.7	136
76	DNA nanosensor based on biocompatible graphene quantum dots and carbon nanotubes. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 60, 64-70	11.8	134
75	Functionalized Carbon Quantum Dots with Dopamine for Tyrosinase Activity Monitoring and Inhibitor Screening: In Vitro and Intracellular Investigation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 23564-74	9.5	118
74	Luminescent Nanoswitch Based on Organic-Phase Copper Nanoclusters for Sensitive Detection of Trace Amount of Water in Organic Solvents. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 7429-34	7.8	99
73	A fluorometric assay for alkaline phosphatase activity based on Cyclodextrin-modified carbon quantum dots through host-guest recognition. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 83, 274-80	11.8	99
72	Reversible Fluorescent Nanoswitch Based on Carbon Quantum Dots Nanoassembly for Real-Time Acid Phosphatase Activity Monitoring. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 7332-9	7.8	91
71	Functional Carbon Quantum Dots: A Versatile Platform for Chemosensing and Biosensing. <i>Chemical Record</i> , <b>2018</b> , 18, 491-505	6.6	80
70	Reversible Luminescent Nanoswitches Based on Aggregation-Induced Emission Enhancement of Silver Nanoclusters for Luminescence Turn-on Assay of Inorganic Pyrophosphatase Activity. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 4994-5002	7.8	75
69	One-pot green synthesis of highly fluorescent glutathione-stabilized copper nanoclusters for Fe <sup>3+</sup> sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 241, 292-297	8.5	71

68	Nitrogen-doped carbon nanotubes functionalized by transition metal atoms: a density functional study. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 1702		70
67	Luminescent Aggregated Copper Nanoclusters Nanoswitch Controlled by Hydrophobic Interaction for Real-Time Monitoring of Acid Phosphatase Activity. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 11575-11583	7.8	66
66	Fluorometric detection of cholesterol based on Cyclodextrin functionalized carbon quantum dots via competitive host-guest recognition. <i>Talanta</i> , <b>2017</b> , 167, 513-519	6.2	64
65	A fluorometric assay for acetylcholinesterase activity and inhibitor screening with carbon quantum dots. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 222, 879-886	8.5	58
64	A universal fluorometric assay strategy for glycosidases based on functional carbon quantum dots: Galactosidase activity detection in vitro and in living cells. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 1971-1979	7.3	56
63	Redox-Controlled Fluorescent Nanoswitch Based on Reversible Disulfide and Its Application in Butyrylcholinesterase Activity Assay. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 1643-1651	7.8	53
62	A fluorometric biosensor based on functional Au/Ag nanoclusters for real-time monitoring of tyrosinase activity. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 542-547	11.8	51
61	Fabrication of Stable and Luminescent Copper Nanocluster-Based AIE Particles and Their Application in Galactosidase Activity Assay. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 32887-32893	8.5	49
60	A dual-channel fluorescent chemosensor for discriminative detection of glutathione based on functionalized carbon quantum dots. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 748-755	11.8	49
59	Nanosized N-doped graphene oxide with visible fluorescence in water for metal ion sensing. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 17635		47
58	Synthesis of (Z)-1-thio- and (Z)-2-thio-1-alkenyl boronates via copper-catalyzed regiodivergent hydroboration of thioacetylenes: an experimental and theoretical study. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 1786-95	4.2	43
57	Surface molecular imprinting on dye(NH <sub>2</sub> )BiO <sub>2</sub> NPs for specific recognition and direct fluorescent quantification of perfluorooctane sulfonate. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 195, 266-273	8.5	43
56	Facile synthesis of halogenated carbon quantum dots as an important intermediate for surface modification. <i>RSC Advances</i> , <b>2013</b> , 3, 9625	3.7	42
55	Ultralong Room-Temperature Phosphorescence from Supramolecular Behavior via Intermolecular Electronic Coupling in Pure Organic Crystals. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 3939-3945	6.4	39
54	Simultaneous detection of multiple DNA targets by integrating dual-color graphene quantum dot nanoprobe and carbon nanotubes. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 16065-9	4.8	38
53	Cation-driven luminescent self-assembled dots of copper nanoclusters with aggregation-induced emission for Galactosidase activity monitoring. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 5120-5127	7.3	35
52	Hydrophobicity-guided self-assembled particles of silver nanoclusters with aggregation-induced emission and their use in sensing and bioimaging. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 3927-3933	7.3	35
51	Theoretical investigation of water exchange on the nanometer-sized polyoxocation AlO <sub>4</sub> Al <sub>12</sub> (OH) <sub>24</sub> (H <sub>2</sub> O) <sub>12</sub> (7+) (Keggin-Al <sub>13</sub> ) in aqueous solution. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 14402-3	16.4	34

50	Supramolecule density functional calculations on the water exchange of aquated Al(III) species in aqueous solution. <i>Chemical Communications</i> , <b>2008</b> , 3930-2	5.8	32
49	Multi-stimuli responsive copper nanoclusters with bright red luminescence for quantifying acid phosphatase activity via redox-controlled luminescence switch. <i>Analytica Chimica Acta</i> , <b>2017</b> , 984, 202-210	6.6	31
48	A fluorometric and real-time assay for $\beta$ -glucosidase activity through supramolecular self-assembly and its application for inhibitor screening. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 245, 282-289	8.5	30
47	A reversible fluorescence nanoswitch based on carbon quantum dots nanoassembly for detection of pyrophosphate ion. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 220, 138-145	8.5	30
46	Halogenated tetraphenylethene with enhanced aggregation-induced emission: an anomalous anti-heavy-atom effect and self-reversible mechanochromism. <i>Chemical Communications</i> , <b>2019</b> , 55, 14938-14941	5.8	29
45	Highly efficient fluorescent multi-walled carbon nanotubes functionalized with diamines and amides. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 11912		28
44	A reversible fluorescence nanoswitch based on dynamic covalent $\text{B}=\text{O}$ bonds using functional carbon quantum dots and its application for $\beta$ -glucosidase activity monitoring. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 2826-2832	7.1	26
43	Rational design of reversibly photochromic molecules with aggregation-induced emission by introducing photoactive thienyl and benzothienyl groups. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 13197-13204	7.1	25
42	Photophysical Tuning of Organic Ionic Crystals from Ultralong Afterglow to Highly Efficient Phosphorescence by Variation of Halides. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 6305-6311	6.4	25
41	Dual-colored graphene quantum dots-labeled nanoprobe/graphene oxide: functional carbon materials for respective and simultaneous detection of DNA and thrombin. <i>Nanotechnology</i> , <b>2014</b> , 25, 415501	3.4	24
40	Facile synthesis of halogenated multi-walled carbon nanotubes and their unusual photoluminescence. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 22113		24
39	Bonding-induced emission of silyl-protected copper nanoclusters for luminescence turn-on detection of trace water in organic solvents. <i>Analyst</i> , <b>2017</b> , 142, 4613-4617	5	21
38	Well dispersed single-walled carbon nanotubes with strong visible fluorescence in water for metal ions sensing. <i>Chemical Communications</i> , <b>2011</b> , 47, 7167-9	5.8	21
37	Photochromism and Fluorescence Switch of Furan-Containing Tetraarylethene Luminogens with Aggregation-Induced Emission for Photocontrolled Interface-Involved Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 42410-42419	9.5	21
36	The visible photoluminescence mechanism of oxidized multi-walled carbon nanotubes: an experimental and theoretical investigation. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 307-314	7.1	20
35	Assessment of the accuracy of theoretical methods for calculating $(^{27}\text{Al})$ nuclear magnetic resonance shielding tensors of aquated aluminum species. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 5138-43	2.8	20
34	Reversible Switching between Phosphorescence and Fluorescence in a Unimolecular System Controlled by External Stimuli. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 12773-12778	4.8	19
33	Rational Design of Dual-State Emission Luminogens with Solvatochromism by Combining a Partially Shared Donor-Acceptor Pattern and Twisted Structures. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 15983-15991	4.8	19

32	Redox-Triggered Bonding-Induced Emission of Thiol-Functionalized Gold Nanoclusters for Luminescence Turn-On Detection of Molecular Oxygen. <i>ACS Sensors</i> , <b>2017</b> , 2, 1692-1699	9.2	17
31	Anion-regulated transient and persistent phosphorescence and size-dependent ultralong afterglow of organic ionic crystals. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 14535-14542	7.1	17
30	An aggregation-induced phosphorescence probe for calcium ion-specific detection and live-cell imaging in Arabidopsis thaliana. <i>Chemical Communications</i> , <b>2019</b> , 55, 4841-4844	5.8	16
29	Theoretical investigation of dehydration of aquated Al(OH) <sub>2</sub> <sup>+</sup> species in aqueous solution. <i>Dalton Transactions</i> , <b>2009</b> , 1554-8	4.3	16
28	Theoretical exploration of the water exchange mechanism of the polyoxocation GaO <sub>4</sub> Al <sub>12</sub> (OH) <sub>24</sub> (H <sub>2</sub> O) <sub>127</sub> <sup>+</sup> in aqueous solution. <i>Geochimica Et Cosmochimica Acta</i> , <b>2009</b> , 73, 1588-1596	5.5	16
27	Photophysical Switching between Aggregation-Induced Phosphorescence and Dual-State Emission by Isomeric Substitution. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 3733-3737	4.8	15
26	Density functional investigation of the water exchange reaction on the gibbsite surface. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 9281-6	10.3	15
25	Six-Membered-Ring-Based Radical Mechanism for Catalytic Growth of Carbon Nanotubes with Benzene Precursor. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 16495-16502	3.8	15
24	Clustering-Triggered Ultralong Room-Temperature Phosphorescence of Organic Crystals through Halogen-Mediated Molecular Assembly. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 4962-4969	6.4	12
23	Density functional studies of the structural characteristics, <sup>27</sup> Al NMR chemical shifts and water-exchange reactions of Al <sub>30</sub> O <sub>8</sub> (OH) <sub>56</sub> (H <sub>2</sub> O) <sub>2618</sub> <sup>+</sup> (Al <sub>30</sub> ) in aqueous solution. <i>Geochimica Et Cosmochimica Acta</i> , <b>2010</b> , 74, 1230-1237	5.5	11
22	Density functional study of the water exchange reaction of the polyoxocation GeO <sub>4</sub> Al <sub>12</sub> (OH) <sub>24</sub> (H <sub>2</sub> O) <sub>12</sub> (8 <sup>+</sup> ) (K-GeAl <sub>12</sub> ) in aqueous solution. <i>Dalton Transactions</i> , <b>2009</b> , 8013-7	4.3	11
21	Thiol-triggered disaggregation-induced emission controlled by competitive coordination for acetylcholinesterase monitoring and inhibitor screening. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 22-28	8.5	11
20	Synthesis and Functionalization of Stable and Bright Copper Nanoclusters by In Situ Generation of Silica Shells for Bioimaging and Biosensing. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 5673-5681	5.6	11
19	A water-soluble molecular probe with aggregation-induced emission for discriminative detection of Al and Pb and imaging in seedling root of Arabidopsis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 223, 117335	4.4	9
18	Multicolour fluorescent graphene oxide by cutting carbon nanotubes upon oxidation. <i>CrystEngComm</i> , <b>2012</b> , 14, 4976	3.3	9
17	Thiol-ene click reaction-induced fluorescence enhancement by altering the radiative rate for assaying butyrylcholinesterase activity. <i>Analyst, The</i> , <b>2019</b> , 144, 559-566	5	8
16	A simple and efficient phosphorescent probe for iodide-specific detection based on crystallization-induced phosphorescence of organic ionic crystals. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 43-47	7.1	8
15	Coordinate bonding-induced emission of gold-glutathione complex for sensitive detection of aluminum species. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 272, 1-7	8.5	8

14	A phosphorescence "turn-on" probe for the detection and imaging of Al based on aggregation-induced emission. <i>Talanta</i> , <b>2020</b> , 219, 121298	6.2	6
13	Phenylsulfonic acid functionalized carbon quantum dots based biosensor for acetylcholinesterase activity monitoring and inhibitor screening. <i>RSC Advances</i> , <b>2016</b> , 6, 105454-105460	3.7	6
12	Achieving highly efficient aggregation-induced emission, reversible and irreversible photochromism by heavy halogen-regulated photophysics and D-A molecular pattern-controlled photochemistry of through-space conjugated luminogens. <i>Chemical Science</i> , <b>2021</b> , 12, 10710-10723	9.4	6
11	Tuning the energy barrier of water exchange reactions on Al(III) by interaction with the single-walled carbon nanotubes. <i>Dalton Transactions</i> , <b>2011</b> , 40, 4183-9	4.3	5
10	Theoretical investigation of formation mechanism of bipyridyl molecule on Ni(111) surface: implication for synthesis of N-doped graphene from pyridine. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 6053-8	3.6	5
9	Endowing nitro-compounds with bright and stimuli-responsive luminescence based on propeller-like AIEgens. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 12177-12183	7.1	5
8	Activated carbon/diatomite-based magnetic nanocomposites for magnetic solid-phase extraction of S-phenylmercapturic acid from human urine. <i>Biomedical Chromatography</i> , <b>2020</b> , 34, e4834	1.7	4
7	Viscosity-sensitive thiolated gold nanoclusters with diffusion-controlled emission for intracellular viscosity imaging. <i>Analyst</i> , <b>2019</b> , 144, 4483-4487	5	4
6	Theoretical investigation of the dissociative interchange (I <sub>d</sub> ) mechanism for water exchange on magnesium(II) in aqueous solution. <i>Inorganica Chimica Acta</i> , <b>2010</b> , 363, 3627-3631	2.7	4
5	Breaking Classic Heavy-Atom Effect to Achieve Heavy-Atom-Induced Dramatic Emission Enhancement of Silole-Based AIEgens with Through-Bond and Through-Space Conjugation. <i>Advanced Optical Materials</i> , <b>2010</b> , 2101228	8.1	4
4	Unusual visible luminescence of aluminium polyoxocations in aqueous solution. <i>Chemical Communications</i> , <b>2011</b> , 47, 12652-4	5.8	3
3	Visible photoluminescence of polyoxoniobates in aqueous solution and their high electrocatalytic activities for water oxidation. <i>Open Journal of Inorganic Chemistry</i> , <b>2013</b> , 03, 59-69	0.2	3
2	Wavelength-dependent multicolor photochromism and fluorescence switching based on an AIE-active skeleton by regulating the conjugation of the photoactive unit. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 8249-8257	7.1	3
1	Rational design of state-depending photoactivatable and photoconvertible fluorescent AIEgens through a rapid photocyclodehydrogenation reaction. <i>Dyes and Pigments</i> , <b>2022</b> , 201, 110235	4.6	1