

Hongqi Chen

List of Publications by Year in descending order

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41
papers

830
citations

566801

15
h-index

500791

28
g-index

41
all docs

41
docs citations

41
times ranked

1241
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent blood glucose monitor by hemin-functionalized graphene quantum dots based sensing system. <i>Analytica Chimica Acta</i> , 2014, 810, 71-78.	2.6	127
2	Aptamer-based sensing for thrombin in red region via fluorescence resonant energy transfer between NaYF ₄ :Yb,Er upconversion nanoparticles and gold nanorods. <i>Biosensors and Bioelectronics</i> , 2013, 48, 19-25.	5.3	85
3	Turn-On Detection of a Cancer Marker Based on Near-Infrared Luminescence Energy Transfer from NaYF ₄ :Yb,Tm/NaGdF ₄ Core-Shell Upconverting Nanoparticles to Gold Nanorods. <i>Langmuir</i> , 2014, 30, 13085-13091.	1.6	61
4	Graphene quantum dots: Highly active bifunctional nanoprobes for nonenzymatic photoluminescence detection of hydroquinone. <i>Biosensors and Bioelectronics</i> , 2015, 74, 418-422.	5.3	53
5	Aptamer biosensor for <i>Salmonella typhimurium</i> detection based on luminescence energy transfer from Mn ²⁺ -doped NaYF ₄ :Yb, Tm upconverting nanoparticles to gold nanorods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 168-173.	2.0	47
6	Luminescence energy transfer detection of PSA in red region based on Mn ²⁺ -enhanced NaYF ₄ :Yb, Er upconversion nanorods. <i>Biosensors and Bioelectronics</i> , 2015, 72, 282-287.	5.3	40
7	A near-infrared luminescent Mn ²⁺ -doped NaYF ₄ :Yb,Tm/Fe ³⁺ upconversion nanoparticles redox reaction system for the detection of GSH/Cys/AA. <i>Talanta</i> , 2017, 172, 95-101.	2.9	37
8	Detection of tyramine and tyrosinase activity using red region emission NaGdF ₄ :Yb,Er@NaYF ₄ upconversion nanoparticles. <i>Talanta</i> , 2019, 197, 558-566.	2.9	34
9	Simple and sensitive detection method for Cobalt(II) in water using CePO ₄ :Tb ³⁺ nanocrystals as fluorescent probes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 107, 151-155.	2.0	28
10	Mn ²⁺ -doped NaYF ₄ :Yb,Er upconversion nanoparticles for detection of uric acid based on the Fenton reaction. <i>Talanta</i> , 2018, 180, 120-126.	2.9	26
11	Quantitative determination of proteins at nanogram levels by the resonance light-scattering technique with composite nanoparticles of CdS/PAA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 428-432.	2.0	23
12	General Strategy to Achieve Color-Tunable Ratiometric Two-Photon Integrated Single Semiconducting Polymer Dot for Imaging Hypochlorous Acid. <i>ACS Nano</i> , 2021, 15, 13633-13645.	7.3	21
13	Application of Organic Nanoparticles as Fluorescence Probe in the Determination of Nucleic Acids. <i>Analytical Letters</i> , 2004, 37, 1811-1822.	1.0	16
14	Core-shell upconversion nanoparticles of type NaGdF ₄ :Yb,Er@NaGdF ₄ :Nd,Yb and sensitized with a NIR dye are a viable probe for luminescence determination of the fraction of water in organic solvents. <i>Mikrochimica Acta</i> , 2019, 186, 630.	2.5	16
15	Preparation and Application of a Novel Core-Shell Organic Nanoparticle as a Fluorescence Probe in the Determination of Nucleic Acids. <i>Mikrochimica Acta</i> , 2005, 149, 267-272.	2.5	15
16	Near-infrared-emitting NaYF ₄ :Yb,Tm/Mn upconverting nanoparticle/gold nanorod electrochemiluminescence resonance energy transfer system for sensitive prostate-specific antigen detection. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2675-2683.	1.9	15
17	Dye-sensitized core-shell NaGdF ₄ :Yb,Er@NaGdF ₄ :Yb,Nd upconversion nanoprobe for determination of H ₂ S. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119281.	2.0	14
18	A SPR aptamer sensor for mercury based on AuNPs@NaYF ₄ :Yb,Tm,Gd upconversion luminescent nanoparticles. <i>Analytical Methods</i> , 2017, 9, 6032-6037.	1.3	13

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19	A single-particle enumeration method for the detection of Fe ²⁺ based on a near-infrared core-shell upconversion nanoparticle and IR-808 dye composite nanoprobe. <i>Analyst</i> , 2020, 145, 530-536.	1.7	13
20	Detection of sulfide ions in the red-light region based on upconverting NaYF ₄ :Yb,Er/NaGdF ₄ core-shell nanoparticles. <i>Analytical Methods</i> , 2017, 9, 835-840.	1.3	12
21	An optical FRET inhibition sensor for serum ferritin based on Mn ²⁺ -doped NaYF ₄ :Yb,Tm NIR luminescence up-conversion nanoparticles. <i>Journal of Luminescence</i> , 2015, 168, 82-87.	1.5	11
22	Quantitative image analysis for sensing HIV DNAs based on NaGdF ₄ :Yb,Er@NaYF ₄ upconversion luminescent probe and magnetic beads. <i>Sensors and Actuators B: Chemical</i> , 2021, 340, 129969.	4.0	11
23	Determination of Tannic Acid by Flow Injection Analysis with Inhibited Chemiluminescence Detection. <i>Mikrochimica Acta</i> , 2006, 155, 427-430.	2.5	10
24	Chemiluminescence behaviour of CdTe-potassium permanganate enhanced by sodium hexametaphosphate and sensitized sensing of ascorbic acid. <i>Luminescence</i> , 2012, 27, 466-472.	1.5	10
25	Synthesis and carbon dioxide capture properties of flower-shaped zeolitic imidazolate framework-L. <i>CrystEngComm</i> , 2019, 21, 6536-6544.	1.3	10
26	Quantitative image analysis method for detection of nitrite with cyanine dye-NaYF ₄ :Yb,Tm@NaYF ₄ upconversion nanoparticles composite luminescent probe. <i>Food Chemistry</i> , 2022, 367, 130660.	4.2	10
27	Turn-on detection of MicroRNA155 based on simple UCNPs-DNA-AuNPs luminescence energy transfer probe and duplex-specific nuclease signal amplification. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117345.	2.0	9
28	Preparation of gold nanoparticle coated NaYF ₄ :Yb,Er,Gd nanoparticles and their application for AFP detection in the red region. <i>Analytical Methods</i> , 2017, 9, 2977-2982.	1.3	8
29	A near-infrared upconversion luminescence total internal reflection platform for quantitative image analysis. <i>Chemical Communications</i> , 2020, 56, 8440-8443.	2.2	8
30	A sensitive method for determination of trace amounts of chromate (III) with terbium (III) sodium hexametaphosphate chelate as fluorescent probe. <i>Luminescence</i> , 2011, 26, 434-438.	1.5	7
31	Turn-on detection of glutathione S-transferase based on luminescence resonance energy transfer between near-infrared to near-infrared core-shell upconversion nanoparticles and organic dye. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5843-5851.	1.9	7
32	Real-time assay of inorganic pyrophosphatase activity in the red region based on Li ⁺ -doped NaYF ₄ :Yb,Er upconversion luminescent nanoparticles. <i>Analytical Methods</i> , 2017, 9, 3296-3301.	1.3	6
33	Redox luminescence switch based on Mn ²⁺ -doped NaYF ₄ :Yb,Er upconversion nanorods. <i>Luminescence</i> , 2018, 33, 138-144.	1.5	5
34	Sensitive quantitative image analysis of bisulfite based on near-infrared upconversion luminescence total internal reflection platform. <i>Talanta</i> , 2021, 224, 121928.	2.9	5
35	Multimodal Imaging and Synergetic Chemodynamic/Photodynamic Therapy Achieved Using an NaGdF ₄ :Yb,Er@NaGdF ₄ :Yb,Tm@NaYF ₄ @Fe-MOFs Nanocomposite. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	5
36	Terbium (III) chelate complexes as fluorescence energy transfer donor in the determination of formaldehyde in aqueous solutions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 371-374.	2.0	3

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37	Upconversion luminescence detection of ascorbic acid based on NaGdF ₄ :Yb,Er@NaYF ₄ nanoparticles and oxidase-like CoOOH nanoflakes. Analytical Methods, 2020, 12, 5081-5085.	1.3	3
38	Sensitive detection of sulfide ions in red region based on luminescence resonance energy transfer between upconversion nanoparticles and dyeâ€670. Luminescence, 2021, 36, 110-116.	1.5	3
39	Cyanine dye-assembled composite upconversion nanoparticles for the sensing and cell imaging of nitrite based on a single particle imaging method. Analyst, The, 2022, 147, 2793-2801.	1.7	2
40	A hybrid boronate affinity probe for the selective detection of cisâ€diols containing compounds in tea beverages. Luminescence, 2022, , .	1.5	1
41	Quantitative image analysis and cell imaging of peroxyxynitrite based on an upconversion luminescence total internal reflection single particle imaging platform. Sensors and Actuators B: Chemical, 2022, 369, 132308.	4.0	0