

Xiao qing Zeng

List of Publications by Year in descending order

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57
papers

890
citations

471509

17
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580821

25
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57
all docs

57
docs citations

57
times ranked

1123
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of sunset yellow in soft drinks based on fluorescence quenching of carbon dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 167, 106-110.	3.9	61
2	Facile synthesis of fluorescent carbon dots for determination of curcumin based on fluorescence resonance energy transfer. <i>RSC Advances</i> , 2015, 5, 64790-64796.	3.6	53
3	Carbon dots synthesized by hydrothermal process via sodium citrate and NH ₄ HCO ₃ for sensitive detection of temperature and sunset yellow. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 192-201.	9.4	44
4	A novel surface modification strategy of CdTe/CdS QDs and its application for sensitive detection of ct-DNA. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 336-344.	7.8	38
5	Effects of (R)- and (S)-propranolol hydrochloride enantiomers on the resonance Rayleigh scattering spectra with erythrosine B as probe and their analytical applications. <i>Talanta</i> , 2015, 134, 754-760.	5.5	33
6	A novel carbon dots derived from reduced L-glutathione as fluorescent probe for the detection of the D-arginine. <i>New Journal of Chemistry</i> , 2017, 41, 15216-15228.	2.8	33
7	A portable synthesis of water-soluble carbon dots for highly sensitive and selective detection of chlorogenic acid based on inner filter effect. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 139-146.	3.9	33
8	Efficient one-pot synthesis of carbon dots as a fluorescent probe for the selective and sensitive detection of rifampicin based on the inner filter effect. <i>Analytical Methods</i> , 2018, 10, 4085-4093.	2.7	27
9	CdTe QDs based fluorescent sensor for the determination of gallic acid in tea. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117356.	3.9	25
10	Detection of glutathione with an "on-off" fluorescent biosensor based on N-acetyl-L-cysteine capped CdTe quantum dots. <i>Analyst</i> , 2015, 140, 6748-6757.	3.5	24
11	An aptamer-based fluorescence bio-sensor for chiral recognition of arginine enantiomers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 200, 330-338.	3.9	24
12	Graphene oxide-assisted non-immobilized SELEX of chiral drug ephedrine aptamers and the analytical binding mechanism. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 134-139.	2.1	23
13	Quantum dots (QDs) based fluorescence probe for the sensitive determination of kaempferol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 66-72.	3.9	21
14	A novel method for detecting allura red based on triple-wavelength overlapping resonance Rayleigh scattering. <i>RSC Advances</i> , 2014, 4, 37100-37106.	3.6	20
15	Resonance Rayleigh scattering technique for simple and sensitive analysis of tannic acid with carbon dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 817-821.	3.9	20
16	Selective colorimetric and fluorescent quenching determination of uranyl ion via its complexation with curcumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 159, 146-150.	3.9	19
17	A L-tryptophan-Cu(II) based fluorescence turn-on probe for detection of methionine. <i>Journal of Luminescence</i> , 2014, 147, 107-110.	3.1	18
18	A novel spectral method for determination of trace malathion using EryB as light scattering probe by resonance Rayleigh scattering technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 213, 104-110.	3.9	18

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19	Enzyme-catalyzed Michael addition for the synthesis of warfarin and its determination via fluorescence quenching of L-tryptophan. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 176, 183-188.	3.9	17
20	Study on the interaction between albendazole and eosin Y by fluorescence, resonance Rayleigh scattering and frequency doubling scattering spectra and their analytical applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 126, 135-141.	3.9	16
21	Carbon dot-based fluorescent probes for sensitive and selective detection of luteolin through the inner filter effect. <i>Luminescence</i> , 2018, 33, 1401-1407.	2.9	16
22	Nanopore Technology for the Application of Protein Detection. <i>Nanomaterials</i> , 2021, 11, 1942.	4.1	16
23	Overlapping of Second Order Scattering and Frequency Double Scattering Spectra Method and Resonance Rayleigh Scattering Method for the Determination of 6-Benzyladenine in Bean Sprout. <i>Food Analytical Methods</i> , 2014, 7, 1737-1744.	2.6	15
24	Detection of DNA utilizing a fluorescent reversible change of a biosensor based on the electron transfer from quantum dots to polymyxin B sulfate. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 257-264.	9.4	15
25	Fluorescence quenching and spectrophotometric methods for the determination of daunorubicin with meso-tera (4-sulphophenyl) porphyrin as probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 7-13.	3.9	14
26	Fluorescent Carbon Dots as Cost-Effective and Facile Probes for Caffeic Acid Sensing via a Fluorescence Quenching Process. <i>Journal of Fluorescence</i> , 2018, 28, 523-531.	2.5	14
27	Determination of norfloxacin in food by an enhanced spectrofluorimetric method. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2569-2574.	3.5	13
28	A novel competitive-displacement fluorescence assay for L-penicillamine based on the reaction between the target and N-acetyl-L-cysteine-capped CdTe quantum dots for copper ions. <i>Analytical Methods</i> , 2018, 10, 2263-2271.	2.7	13
29	Incorporation of flow injection analysis with dual-wavelength overlapping resonance Rayleigh scattering for rapid determination of malachite green and its metabolite in fish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 130, 90-95.	3.9	12
30	The fluorescence and resonance Rayleigh scattering spectral study and analytical application of cerium (IV) and cefoperazone system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 162, 93-97.	3.9	12
31	A simple and rapid resonance Rayleigh scattering method for detection of indigo carmine in soft drink. <i>Luminescence</i> , 2016, 31, 1152-1157.	2.9	11
32	Determination of hypochlorite by quenching the fluorescence of 1-pyrenylboronic acid in tap water. <i>RSC Advances</i> , 2016, 6, 3393-3398.	3.6	11
33	Graphene oxide and Lambda exonuclease assisted screening of L-carnitine aptamers and the site-directed mutagenesis design of C-rich structure aptamer. <i>Biochemical and Biophysical Research Communications</i> , 2021, 545, 171-176.	2.1	11
34	A novel and sensitive turn-on fluorescent biosensor for the determination of thioctic acid based on Cu ²⁺ -modulated N-acetyl-L-cysteine capped CdTe quantum dots. <i>RSC Advances</i> , 2015, 5, 44173-44182.	3.6	10
35	Study on erythrosine-phen-Cd(II) systems by resonance Rayleigh scattering, absorption spectra and their analytical applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 140, 15-20.	3.9	10
36	Cu ²⁺ functionalized N-acetyl-L-cysteine capped CdTe quantum dots as a novel resonance Rayleigh scattering probe for the recognition of phenylalanine enantiomers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 591-597.	3.9	10

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37	Double-wavelength overlapping resonance Rayleigh scattering technique for the simultaneous quantitative analysis of three β -adrenergic blockade. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 161, 19-26.	3.9	10
38	Spectrofluorometric determination of ascorbic acid using thiamine and potassium ferricyanide. <i>Instrumentation Science and Technology</i> , 2017, 45, 312-323.	1.8	10
39	A non-diazotization-coupling reaction-based colorimetric determination of nitrite in tap water and milk. <i>European Food Research and Technology</i> , 2014, 238, 889-894.	3.3	9
40	Glutathione-capped CdTe quantum dots for the determination of fleroxacin with dual-wavelength fluorescence signals. <i>Analytical Methods</i> , 2014, 6, 4860.	2.7	9
41	Chiral-aminoquinoline-based fluorescent pH probe with large stokes shift for bioimaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 179, 51-57.	3.9	9
42	Study on the Interaction between Rhodamine Dyes and Allura Red Based on Fluorescence Spectra and Its Analytical Application in Soft Drinks. <i>Analytical Sciences</i> , 2017, 33, 1181-1187.	1.6	9
43	Triple-wavelength overlapping resonance Rayleigh scattering method for facile and rapid assay of perfluorooctane sulfonate. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 658.	2.7	8
44	A novel ternary system for the determination of ascorbic acid concentration based on resonance Rayleigh scattering. <i>Analytical Methods</i> , 2015, 7, 9963-9970.	2.7	8
45	A rapid and highly sensitive fluorimetric method for the determination of meloxicam using uranyl acetate. <i>Analytical Methods</i> , 2014, 6, 5221-5226.	2.7	7
46	Sensitive determination of enoxacin in pharmaceutical formulations by its quench effect on the fluorescence of glutathione-capped CdTe quantum dots. <i>Luminescence</i> , 2016, 31, 241-246.	2.9	6
47	Study on the interaction between emodin and ethyl violet by resonance Rayleigh scattering technique. <i>RSC Advances</i> , 2014, 4, 34204-34209.	3.6	5
48	Novel Glutathione-Capped Cadmium Telluride Quantum Dots-Based Off-On Fluorescence Sensor for Highly Sensitive and Selective Monitoring of Histidine. <i>Spectroscopy Letters</i> , 2015, 48, 351-358.	1.0	5
49	A stimuli-responsive fluorescence platform for simultaneous determination of d-isoascorbic acid and Tartaric acid based on Maillard reaction product. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 1-6.	3.9	5
50	Determination of hydroquinone based on the formation of Turnbull's blue nanoparticles using resonance Rayleigh scattering. <i>Analytical Methods</i> , 2015, 7, 9347-9353.	2.7	4
51	Chiral recognition of the carnitine enantiomers using rhodamine B as a resonance Rayleigh scattering probe. <i>Chirality</i> , 2018, 30, 1173-1181.	2.6	4
52	Sensitive detection of sodium cromoglycate with glutathione-capped CdTe quantum dots as a novel fluorescence probe. <i>Luminescence</i> , 2015, 30, 1112-1118.	2.9	3
53	Fluorescent reversible regulation based on the interactions of topotecan hydrochloride, neutral red and quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1607-1613.	3.9	3
54	Determination of Cysteine using the Fluorescence from a L-Tyrosine-Copper(II) Complex. <i>Analytical Letters</i> , 2017, 50, 1168-1181.	1.8	3

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55	A sensitive turn-on fluorescent assay for quantification of ceftriaxone based on l-tryptophan-Pd(II) complex fluorophore. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 161, 95-100.	3.9	2
56	A simple fluorescence probe for lemon yellow in drink. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-8.	3.3	1
57	Measurement analysis of two radicals with a common origin point and its application. <i>Luminescence</i> , 2017, 32, 800-805.	2.9	0