

Cheuk-Fai Chow

List of Publications by Year in descending order

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84
papers

2,219
citations

218381

26
h-index

243296

44
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88
all docs

88
docs citations

88
times ranked

2725
citing authors

#	ARTICLE	IF	CITATIONS
1	A Heterobimetallic Ruthenium(II)–Copper(II) Donor–Acceptor Complex as a Chemodosimetric Ensemble for Selective Cyanide Detection. <i>Inorganic Chemistry</i> , 2004, 43, 8387-8393.	1.9	211
2	A Trinuclear Heterobimetallic Ru(II)/Pt(II) Complex as a Chemodosimeter Selective for Sulfhydryl-Containing Amino Acids and Peptides. <i>Journal of the American Chemical Society</i> , 2003, 125, 7802-7803.	6.6	127
3	Metallodynamers: Neutral Dynamic Metallosupramolecular Polymers Displaying Transformation of Mechanical and Optical Properties on Constitutional Exchange. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5007-5010.	7.2	112
4	A molecular fluorescent dye for specific staining and imaging of RNA in live cells: a novel ligand integration from classical thiazole orange and styryl compounds. <i>Chemical Communications</i> , 2015, 51, 15241-15244.	2.2	93
5	Title is missing!. <i>Journal of Materials Chemistry</i> , 2001, 11, 2985-2991.	6.7	82
6	Synthesis and Spectroscopic Studies of Cyclometalated Pt(II) Complexes Containing a Functionalized Cyclometalating Ligand, 2-Phenyl-6-(1H-pyrazol-3-yl)-pyridine. <i>Inorganic Chemistry</i> , 2007, 46, 3603-3612.	1.9	78
7	Molecular Engineering of Thiazole Orange Dye: Change of Fluorescent Signaling from Universal to Specific upon Binding with Nucleic Acids in Bioassay. <i>ACS Chemical Biology</i> , 2016, 11, 1019-1029.	1.6	64
8	Crystallization-driven constitutional changes of dynamic polymers in response to neat/solution conditions. <i>Chemical Communications</i> , 2007, , 4363.	2.2	57
9	Design and Synthesis of Heterobimetallic Ru(II)–Ln(III) Complexes as Chemodosimetric Ensembles for the Detection of Biogenic Amine Odorants. <i>Analytical Chemistry</i> , 2013, 85, 8246-8253.	3.2	57
10	Single microcrystals of organoplatinum(II) complexes with high charge-carrier mobility. <i>Chemical Science</i> , 2011, 2, 216-220.	3.7	52
11	Photo-responsive molecularly imprinted hydrogels for the detection of melamine in aqueous media. <i>Journal of Materials Chemistry</i> , 2012, 22, 19812.	6.7	49
12	Fluorescent sensing of homocysteine by molecular imprinting. <i>Analytica Chimica Acta</i> , 2002, 466, 17-30.	2.6	46
13	Long aliphatic chain coated rare-earth nanocrystal as polymer-based optical waveguide amplifiers. <i>Journal of Materials Chemistry</i> , 2010, 20, 7526.	6.7	45
14	New pyridinium-based fluorescent dyes: A comparison of symmetry and side-group effects on G-Quadruplex DNA binding selectivity and application in live cell imaging. <i>Biosensors and Bioelectronics</i> , 2016, 81, 373-381.	5.3	42
15	Visual and reversible detection of cyanide ions in protic solvents by a novel colorimetric receptor. <i>Dyes and Pigments</i> , 2014, 106, 74-80.	2.0	41
16	Combined Chemical Activation and Fenton Degradation to Convert Waste Polyethylene into High-Value Fine Chemicals. <i>Chemistry - A European Journal</i> , 2016, 22, 9513-9518.	1.7	40
17	Photoresponsive surface molecularly imprinted polymer on ZnO nanorods for uric acid detection in physiological fluids. <i>Materials Science and Engineering C</i> , 2016, 66, 33-39.	3.8	38
18	Heterobimetallic Ru(II)–Eu(III) Complex as Chemodosimeter for Selective Biogenic Amine Odorants Detection in Fish Sample. <i>Analytical Chemistry</i> , 2011, 83, 289-296.	3.2	37

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19	Biogenic amines- and sulfides-responsive gold nanoparticles for real-time visual detection of raw meat, fish, crustaceans, and preserved meat. <i>Food Chemistry</i> , 2020, 311, 125908.	4.2	37
20	A hollow visible-light-responsive surface molecularly imprinted polymer for the detection of chlorpyrifos in vegetables and fruits. <i>Food Chemistry</i> , 2021, 355, 129656.	4.2	35
21	Plastic Waste Problem and Education for Plastic Waste Management. , 2017, , 125-140.		34
22	Colorimetric test paper for cyanide ion determination in real-time. <i>Analytical Methods</i> , 2015, 7, 5239-5244.	1.3	32
23	Metallodynamers: Neutral Double-€Dynamic Metallosupramolecular Polymers. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1324-1335.	1.7	31
24	Photoresponsive hollow molecularly imprinted polymer for trace triamterene in biological samples. <i>Materials Science and Engineering C</i> , 2017, 76, 568-578.	3.8	30
25	An amphiphilic and photoswitchable organocatalyst for the aldol reaction based on a product-imprinted polymer. <i>Molecular Catalysis</i> , 2017, 442, 115-125.	1.0	30
26	Novel high proton conductive material from liquid crystalline 4-(octadecyloxy)phenylsulfonic acid. <i>Journal of Materials Chemistry</i> , 2010, 20, 6245.	6.7	27
27	A colorimetric and fluorescent dual-channel cyanide ion probe using crosslinked polymer microspheres functionalized with protonated Brooker's merocyanine. <i>Dyes and Pigments</i> , 2015, 116, 82-88.	2.0	26
28	Design and synthesis of heterobimetallic donor-acceptor chemodosimetric ensembles for the detection of sulfhydryl-containing amino acids and peptides. <i>Dalton Transactions</i> , 2005, , 475-484.	1.6	25
29	Synthesis of a New Bimetallic Re(I)-NCS-Pt(II) Complex as Chemodosimetric Ensemble for the Selective Detection of Mercapto-Containing Pesticides. <i>Analytical Chemistry</i> , 2015, 87, 6112-6118.	3.2	25
30	Benzothiazole-substituted benzofuroquinolinium dyes as new fluorescent probes for G-quadruplex DNA. <i>Dyes and Pigments</i> , 2015, 122, 94-102.	2.0	24
31	Development of sensitive and selective food sensors using new Re(I)-Pt(II) bimetallic complexes to detect volatile biogenic sulfides formed by meat spoilage. <i>Food Chemistry</i> , 2017, 216, 382-389.	4.2	24
32	An NIR-light-responsive surface molecularly imprinted polymer for photoregulated drug release in aqueous solution through porcine tissue. <i>Materials Science and Engineering C</i> , 2020, 106, 110253.	3.8	24
33	Converting inert plastic waste into energetic materials: A study on the light-accelerated decomposition of plastic waste with the Fenton reaction. <i>Waste Management</i> , 2018, 75, 174-180.	3.7	22
34	A photoswitchable organocatalyst based on a catalyst-imprinted polymer containing azobenzene. <i>RSC Advances</i> , 2015, 5, 62539-62542.	1.7	21
35	Research and development of a new waste collection bin to facilitate education in plastic recycling. <i>Applied Environmental Education and Communication</i> , 2016, 15, 45-57.	0.6	21
36	Photoresponsive molecularly imprinted hydrogel casting membrane for the determination of trace tetracycline in milk. <i>Journal of Molecular Recognition</i> , 2016, 29, 123-130.	1.1	20

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37	Supramolecular Polymeric Chemosensor for Biomedical Applications: Design and Synthesis of a Luminescent Zinc Metallopolymer as a Chemosensor for Adenine Detection. <i>Journal of Fluorescence</i> , 2012, 22, 1539-1546.	1.3	19
38	Breakdown of plastic waste into economically valuable carbon resources: Rapid and effective chemical treatment of polyvinylchloride with the Fenton catalyst. <i>Polymer Degradation and Stability</i> , 2017, 146, 34-41.	2.7	19
39	A photoresponsive surface molecularly imprinted polymer shell for determination of trace griseofulvin in milk. <i>Materials Science and Engineering C</i> , 2018, 92, 365-373.	3.8	19
40	The synthesis and photophysical studies of cyclometalated Pt(II) complexes with C,N,N-ligands containing imidazolyl donors. <i>Dalton Transactions</i> , 2012, 41, 1792-1800.	1.6	18
41	University halls plastics recycling: a blended intervention study. <i>International Journal of Sustainability in Higher Education</i> , 2018, 19, 1038-1052.	1.6	18
42	Double imprinted photoresponsive polymer for simultaneous detection of phthalate esters in plastics. <i>European Polymer Journal</i> , 2018, 108, 295-303.	2.6	18
43	Advancing small ligands targeting RNA for better binding affinity and specificity: A study of structural influence through molecular design approach. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 386-394.	4.0	17
44	Boosting the turn-on fluorescent signaling ability of thiazole orange dyes: The effectiveness of structural modification site and its unusual interaction behavior with nucleic acids. <i>Dyes and Pigments</i> , 2018, 159, 449-456.	2.0	17
45	A molecular imprinting-based multifunctional chemosensor for phthalate esters. <i>Dyes and Pigments</i> , 2017, 137, 499-506.	2.0	16
46	A train-the-trainer design for green ambassadors in an environmental education programme on plastic waste recycling. <i>International Research in Geographical and Environmental Education</i> , 2018, 27, 24-42.	0.8	15
47	The preparation and characterization of photo-responsive sol-gel materials for 2,4-dichlorophenoxyacetic acid by surface imprinting. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 67, 442-450.	1.1	14
48	A Multifunctional Bimetallic Molecular Device for Ultrasensitive Detection, Naked-Eye Recognition, and Elimination of Cyanide Ions. <i>Chemistry - A European Journal</i> , 2015, 21, 12984-12990.	1.7	14
49	The interaction of a structural flexible small molecule with nucleic acid structures: Investigation of the origin of fluorescence signal discrimination in sensing and the utilization in live cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2017, 250, 543-551.	4.0	14
50	Selective visualization of DNA G-quadruplex structures in live cells with 1-methylquinolinium-based molecular probes: The importance of indolyl moiety position towards specificity. <i>Dyes and Pigments</i> , 2017, 143, 331-341.	2.0	14
51	Comparing pedagogies for plastic waste management at university level. <i>International Journal of Sustainability in Higher Education</i> , 2017, 18, 1039-1059.	1.6	14
52	Photoresponsive Surface Molecularly Imprinted Polymers for the Detection of Profenofos in Tomato and Mangosteen. <i>Frontiers in Chemistry</i> , 2020, 8, 583036.	1.8	13
53	School-STEM Professionals™ Collaboration: a case study on teachers'™ conceptions. <i>Asia-Pacific Journal of Teacher Education</i> , 2021, 49, 300-318.	1.2	13
54	Chemodosimetric analysis in food-safety monitoring: design, synthesis, and application of a bimetallic Re(I)-Pt(II) complex for detection of dimethyl sulfide in foods. <i>Analyst</i> , 2014, 139, 4532-4537.	1.7	12

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55	Catalytic Chemosensing Assay for Selective Detection of Methyl Parathion Organophosphate Pesticide. <i>Chemistry - A European Journal</i> , 2019, 25, 9643-9649.	1.7	12
56	Catalyst displacement assay: a supramolecular approach for the design of smart latent catalysts for pollutant monitoring and removal. <i>Chemical Science</i> , 2017, 8, 3812-3820.	3.7	11
57	Two-photon induced emissive thiophene donor-acceptor systems as molecular probes for in vitro bio-imaging: synthesis, crystal structure, and spectroscopic properties. <i>RSC Advances</i> , 2013, 3, 18835.	1.7	10
58	Learning about the types of plastic wastes: effectiveness of inquiry learning strategies. <i>Education 3-13</i> , 2016, 44, 311-324.	0.6	10
59	Photocontrolled extraction of uric acid from biological samples based on photoresponsive surface molecularly imprinted polymer microspheres. <i>Journal of Separation Science</i> , 2017, 40, 1396-1402.	1.3	8
60	A Pair of Coordination Donor-Acceptor Ensembles for the Detection of Tartrate in Aqueous Media. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1318-1325.	1.0	7
61	An Ru(II)-Fe(III) bimetallic complex as a multifunctional device for detecting, signal amplifying, and degrading oxalate. <i>Analyst</i> , 2014, 139, 4256-4263.	1.7	7
62	A surfactant-like ionic liquid with permanganate dissolved as a highly selective epoxidation system. <i>Catalysis Communications</i> , 2015, 69, 25-28.	1.6	7
63	Synthesis of Highly Charged C ₃ -Symmetrical Organic Molecule with a Fused Planar Core Structure. <i>Synthetic Communications</i> , 2015, 45, 1327-1333.	1.1	7
64	Indicator/catalyst displacement assay: design of a latent catalyst for the selective detection and degradation of cyanide by Prussian blue analog-modified TiO ₂ nanoparticles. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8585-8592.	2.7	7
65	Catalyst + chemodosimeter-chemosensor: incorporation of catalytic functionality in an indicator displacement assay to realize reversible chemosensing detection. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5029-5035.	2.7	7
66	A new bisphenol A derivative for estrogen receptor binding studies with surface plasmon resonance. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1390-1396.	2.2	5
67	An environmentally friendly, photocontrollable and highly recyclable catalyst for use in a one-pot three-component Mannich reaction. <i>Journal of Molecular Catalysis A</i> , 2016, 421, 37-44.	4.8	5
68	A Study on Fenton Technology for Polypropylene Waste Degradation and Recovery of High-Value Chemicals. <i>Education for Sustainability</i> , 2019, , 223-239.	0.2	5
69	Alignment of charge-transfer complexes for molecular devices. <i>Journal of Materials Chemistry</i> , 2010, 20, 434-438.	6.7	4
70	A bimetallic Re(I)-NCS-Pt(II) solid-support chemosensor for the selective detection of dimethyl sulfide in spoiled meat. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2298-2305.	4.0	3
71	Novel Iron-Based Polynuclear Metal Complexes [Fe ^{II} (L)(CN) ₄] ₂ [Fe ^{III} (H ₂ O) ₃ Cl] ₂ : Synthesis and Study of Photovoltaic Properties for Dye-Sensitized Solar Cell. <i>Russian Journal of Electrochemistry</i> , 2018, 54, 1164-1175.	0.3	3
72	Enhancing Pupils' Pro-environmental Knowledge, Attitudes, and Behaviours Toward Plastic Recycling: A Quasi-experimental Study in Primary Schools. <i>Education for Sustainability</i> , 2019, , 159-188.	0.2	3

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73	Editorial: Supramolecular Chemistry at the Interface of Environmental and Food Science. <i>Frontiers in Chemistry</i> , 2021, 9, 680372.	1.8	3
74	Waste-to-Energy: Production of Fuel Gases from Plastic Wastes. <i>Polymers</i> , 2021, 13, 3672.	2.0	3
75	Selective Detection of Methomyl Pesticide by a Catalytic Chemosensing Assay. <i>Chemistry - A European Journal</i> , 2020, 26, 14461-14466.	1.7	2
76	An Interactive Conceptual Approach to Support the Teaching and Learning of Green Technology. , 2017, , 141-150.		2
77	Molecular Interaction Kinetics and Mechanism Study of Phytohormones and Plant Protein with Fluorescence and Synchronous Fluorescence Techniques. <i>ChemistrySelect</i> , 2017, 2, 3993-4000.	0.7	1
78	Bimetallic-based food sensors for meat spoilage: Effects of the accepting metallic unit in Fe(II) C N MA (MA $\hat{=}$ Pt(II) or Au(I)) on device selectivity and sensitivity. <i>Food Chemistry</i> , 2019, 300, 125190.	4.2	1
79	Environmental Sustainability and Education for Waste Management. <i>Education for Sustainability</i> , 2019, , 1-11.	0.2	1
80	The Unconventional Learning Experience of Students $\hat{=}$ ”Becoming a Courier of Marine Stewardship. , 2017, , 151-170.		1
81	Electrochromic behavior of <i>fac</i> -tricarbonyl rhenium complexes. <i>New Journal of Chemistry</i> , 2022, 46, 1072-1079.	1.4	1
82	The power of dissociation: development of displacement assays for chemosensing and latent catalytic systems. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1328-1339.	3.2	0
83	Applied Education for Sustainable Development: A Case Study with Plastic Resource Education. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2019, , 1-13.	0.0	0
84	Applied Education for Sustainable Development: A Case Study with Plastic Resource Education. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2020, , 17-29.	0.0	0