

Cheuk-Fai Chow

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.

81
papers

1,829
citations

23
h-index

40
g-index

88
ext. papers

2,029
ext. citations

5.2
avg, IF

5.01
L-index

#	Paper	IF	Citations
81	A heterobimetallic ruthenium(II)-copper(II) donor-acceptor complex as a chemodosimetric ensemble for selective cyanide detection. <i>Inorganic Chemistry</i> , 2004 , 43, 8387-93	5.1	206
80	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, 7802-3	16.4	124
79	Metallodynamers: neutral dynamic metallosupramolecular polymers displaying transformation of mechanical and optical properties on constitutional exchange. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5007-10	16.4	108
78	A sol-gel derived molecular imprinted luminescent PET sensing material for 2,4-dichlorophenoxyacetic acid. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2985-2991		77
77	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, 3603-12	5.1	74
76	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, 15241-4	5.8	65
75	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, 1019-29	4.9	56
74	Crystallization-driven constitutional changes of dynamic polymers in response to neat/solution conditions. <i>Chemical Communications</i> , 2007 , 4363-5	5.8	52
73	Single microcrystals of organoplatinum(II) complexes with high charge-carrier mobility. <i>Chemical Science</i> , 2011 , 2, 216-220	9.4	50
72	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, 8246-53	7.8	47
71	Photo-responsive molecularly imprinted hydrogels for the detection of melamine in aqueous media. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19812		46
70	Fluorescent sensing of homocysteine by molecular imprinting. <i>Analytica Chimica Acta</i> , 2002 , 466, 17-30	6.6	43
69	Long aliphatic chain coated rare-earth nanocrystal as polymer-based optical waveguide amplifiers. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7526		42
68	Metallodynamers: Neutral Dynamic Metallosupramolecular Polymers Displaying Transformation of Mechanical and Optical Properties on Constitutional Exchange. <i>Angewandte Chemie</i> , 2007 , 119, 5095-5098	3.6	38
67	Visual and reversible detection of cyanide ions in protic solvents by a novel colorimetric receptor. <i>Dyes and Pigments</i> , 2014 , 106, 74-80	4.6	36
66	Heterobimetallic Ru(II)-Eu(III) complex as chemodosimeter for selective biogenic amine odorants detection in fish sample. <i>Analytical Chemistry</i> , 2011 , 83, 289-96	7.8	36
65	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	11.8	32

64	Metallodynamers: neutral double-dynamic metallosupramolecular polymers. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 1324-35	4.5	30
63	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	8.3	29
62	Novel high proton conductive material from liquid crystalline 4-(octadecyloxy)phenylsulfonic acid. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6245		27
61	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, 6112-8	7.8	23
60	Colorimetric test paper for cyanide ion determination in real-time. <i>Analytical Methods</i> , 2015 , 7, 5239-5244	4.2	23
59	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	4.6	23
58	Design and synthesis of heterobimetallic donor-acceptor chemodosimetric ensembles for the detection of sulfhydryl-containing amino acids and peptides. <i>Dalton Transactions</i> , 2005 , 475-84	4.3	23
57	Photoresponsive hollow molecularly imprinted polymer for trace triamterene in biological samples. <i>Materials Science and Engineering C</i> , 2017 , 76, 568-578	8.3	22
56	Combined Chemical Activation and Fenton Degradation to Convert Waste Polyethylene into High-Value Fine Chemicals. <i>Chemistry - A European Journal</i> , 2016 , 22, 9513-8	4.8	22
55	An amphiphilic and photoswitchable organocatalyst for the aldol reaction based on a product-imprinted polymer. <i>Molecular Catalysis</i> , 2017 , 442, 115-125	3.3	21
54	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	8.5	21
53	Plastic Waste Problem and Education for Plastic Waste Management 2017 , 125-140		19
52	Benzothiazole-substituted benzofuroquinolinium dyes as new fluorescent probes for G-quadruplex DNA. <i>Dyes and Pigments</i> , 2015 , 122, 94-102	4.6	19
51	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, 1539-46	2.4	19
50	Photoresponsive molecularly imprinted hydrogel casting membrane for the determination of trace tetracycline in milk. <i>Journal of Molecular Recognition</i> , 2016 , 29, 123-30	2.6	18
49	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, 382-9	8.5	16
48	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	8.3	15
47	The synthesis and photophysical studies of cyclometalated Pt(II) complexes with C,N,N-ligands containing imidazolyl donors. <i>Dalton Transactions</i> , 2012 , 41, 1792-800	4.3	15

46	A photoswitchable organocatalyst based on a catalyst-imprinted polymer containing azobenzene. <i>RSC Advances</i> , 2015 , 5, 62539-62542	3.7	14
45	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	1	14
44	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	2.3	14
43	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	8.3	14
42	A molecular imprinting-based multifunctional chemosensor for phthalate esters. <i>Dyes and Pigments</i> , 2017 , 137, 499-506	4.6	13
41	A Multifunctional Bimetallic Molecular Device for Ultrasensitive Detection, Naked-Eye Recognition, and Elimination of Cyanide Ions. <i>Chemistry - A European Journal</i> , 2015 , 21, 12984-90	4.8	13
40	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	8.5	13
39	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	4.6	12
38	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	9.4	11
37	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	8.5	11
36	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	8.6	11
35	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, The</i> , 2014 , 139, 4532-7	5	11
34	University halls plastics recycling: a blended intervention study. <i>International Journal of Sustainability in Higher Education</i> , 2018 , 19, 1038-1052	3.9	11
33	Double imprinted photoresponsive polymer for simultaneous detection of phthalate esters in plastics. <i>European Polymer Journal</i> , 2018 , 108, 295-303	5.2	11
32	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	4.6	11
31	Catalytic Chemosensing Assay for Selective Detection of Methyl Parathion Organophosphate Pesticide. <i>Chemistry - A European Journal</i> , 2019 , 25, 9643-9649	4.8	10
30	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	3.7	10
29	Comparing pedagogies for plastic waste management at university level. <i>International Journal of Sustainability in Higher Education</i> , 2017 , 18, 1039-1059	3.9	9

28	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	4.7	8
27	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	8.5	8
26	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	1.7	8
25	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	3.4	7
24	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	2.3	7
23	Learning about the types of plastic wastes: effectiveness of inquiry learning strategies. <i>Education 3-13</i> , 2016 , 44, 311-324	0.5	7
22	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	7.1	6
21	Synthesis of Highly Charged C ₃ -Symmetrical Organic Molecule with a Fused Planar Core Structure. <i>Synthetic Communications</i> , 2015 , 45, 1327-1333	1.7	6
20	A surfactant-like ionic liquid with permanganate dissolved as a highly selective epoxidation system. <i>Catalysis Communications</i> , 2015 , 69, 25-28	3.2	5
19	An Ru(II)-Fe(III) bimetallic complex as a multifunctional device for detecting, signal amplifying, and degrading oxalate. <i>Analyst, The</i> , 2014 , 139, 4256-63	5	5
18	A new bisphenol A derivative for estrogen receptor binding studies with surface plasmon resonance. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 1390-6	3.8	5
17	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		5
16	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	7.1	4
15	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	8.5	3
14	Alignment of charge-transfer complexes for molecular devices. <i>Journal of Materials Chemistry</i> , 2010 , 20, 434-438		3
13	School-STEM Professionals Collaboration: a case study on teachers' conceptions. <i>Asia-Pacific Journal of Teacher Education</i> , 2021 , 49, 300-318	1.2	3
12	Photoresponsive Surface Molecularly Imprinted Polymers for the Detection of Profenofos in Tomato and Mangosteen. <i>Frontiers in Chemistry</i> , 2020 , 8, 583036	5	2
11	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	2

10	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	2
9	Bimetallic-based food sensors for meat spoilage: Effects of the accepting metallic unit in Fe(II)CNM (M = Pt(II) or Au(I)) on device selectivity and sensitivity. <i>Food Chemistry</i> , 2019 , 300, 125190	8.5	1
8	Selective Detection of Methomyl Pesticide by a Catalytic Chemosensing Assay. <i>Chemistry - A European Journal</i> , 2020 , 26, 14461-14466	4.8	1
7	Novel Iron-Based Polynuclear Metal Complexes [FeII(L)(CN)4]2[FeIII(H2O)3Cl]2: Synthesis and Study of Photovoltaic Properties for Dye-Sensitized Solar Cell. <i>Russian Journal of Electrochemistry</i> , 2018 , 54, 1164-1175	1.2	1
6	Molecular Interaction Kinetics and Mechanism Study of Phytohormones and Plant Protein with Fluorescence and Synchronous Fluorescence Techniques. <i>ChemistrySelect</i> , 2017 , 2, 3993-4000	1.8	0
5	The Unconventional Learning Experience of Students Becoming a Courier of Marine Stewardship 2017 , 151-170		0
4	An Interactive Conceptual Approach to Support the Teaching and Learning of Green Technology 2017 , 141-150		0
3	The power of dissociation: development of displacement assays for chemosensing and latent catalytic systems. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1328-1339	7.8	
2	Environmental Sustainability and Education for Waste Management. <i>Education for Sustainability</i> , 2019 , 1-11	0.2	
1	Electrochromic behavior of fac-tricarbonyl rhenium complexes. <i>New Journal of Chemistry</i> , 2022 , 46, 10723,1079		