

# Kwok-Yin Wong

## List of Publications by Year in descending order

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291  
papers

14,250  
citations

20797

60  
h-index

29127

104  
g-index

314  
all docs

314  
docs citations

314  
times ranked

16781  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Electrocatalytic Hydrogen Evolution Using Nanoparticles. <i>Chemical Reviews</i> , 2020, 120, 851-918.	23.0	1,767
2	Recent advance in MXenes: A promising 2D material for catalysis, sensor and chemical adsorption. <i>Coordination Chemistry Reviews</i> , 2017, 352, 306-327.	9.5	484
3	G-Quadruplexes: Targets in Anticancer Drug Design. <i>ChemMedChem</i> , 2008, 3, 690-713.	1.6	454
4	Direct Electrochemistry and Electrocatalysis of Heme Proteins Entrapped in Agarose Hydrogel Films in Room-Temperature Ionic Liquids. <i>Langmuir</i> , 2005, 21, 9260-9266.	1.6	355
5	Stabilization of G-Quadruplex DNA and Down-Regulation of Oncogene c-myc by Quindoline Derivatives. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 1465-1474.	2.9	273
6	Prediction of the SARS-CoV-2 (2019-nCoV) 3C-like protease (3CLpro) structure: virtual screening reveals velpatasvir, ledipasvir, and other drug repurposing candidates. <i>F1000Research</i> , 2020, 9, 129.	0.8	242
7	A Highly Selective Luminescent Switchable Probe for Histidine/Histidine-Rich Proteins and Its Application in Protein Staining. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3735-3739.	7.2	207
8	Significant Enhancement in Photocatalytic Reduction of Water to Hydrogen by Au/Cu <sub>2</sub> ZnSnS <sub>4</sub> Nanostructure. <i>Advanced Materials</i> , 2014, 26, 3496-3500.	11.1	171
9	Structural Basis for Vapoluminescent Organoplatinum Materials Derived from Noncovalent Interactions as Recognition Components. <i>Chemistry - A European Journal</i> , 2003, 9, 6155-6166.	1.7	166
10	An antibacterial platform based on capacitive carbon-doped TiO <sub>2</sub> nanotubes after direct or alternating current charging. <i>Nature Communications</i> , 2018, 9, 2055.	5.8	153
11	Photocatalytic water splitting by N-TiO <sub>2</sub> on MgO (111) with exceptional quantum efficiencies at elevated temperatures. <i>Nature Communications</i> , 2019, 10, 4421.	5.8	151
12	2H/1T Phase Transition of Multilayer MoS <sub>2</sub> by Electrochemical Incorporation of S Vacancies. <i>ACS Applied Energy Materials</i> , 2018, 1, 4754-4765.	2.5	141
13	DNA Binding and Cytotoxicity of Ruthenium(II) and Rhenium(I) Complexes of 2-Amino-4-phenylamino-6-(2-pyridyl)-1,3,5-triazine. <i>Inorganic Chemistry</i> , 2007, 46, 740-749.	1.9	138
14	9-Substituted berberine derivatives as G-quadruplex stabilizing ligands in telomeric DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 5493-5501.	1.4	135
15	Synthesis, reactivities, and structural studies on high-valent ruthenium oxo complexes. Ruthenium(IV), ruthenium(V), and ruthenium(VI) oxo complexes of tertiary amine ligands. <i>Inorganic Chemistry</i> , 1987, 26, 2289-2299.	1.9	132
16	Intramolecular N-H...Ru Proton-Hydride Interaction in Ruthenium Complexes with (2-(Dimethylamino)ethyl)cyclopentadienyl and (3-(Dimethylamino)propyl)cyclopentadienyl Ligands. Hydrogenation of CO <sub>2</sub> to Formic Acid via the N-H...Ru Hydrogen-Bonded Complexes. <i>Organometallics</i> , 1998, 17, 2768-2777.	1.1	130
17	Au Nanoparticles Decorated TiO <sub>2</sub> Nanotube Arrays as a Recyclable Sensor for Photoenhanced Electrochemical Detection of Bisphenol A. <i>Environmental Science &amp; Technology</i> , 2016, 50, 4430-4438.	4.6	124
18	5-N-Methylated Quindoline Derivatives as Telomeric G-Quadruplex Stabilizing Ligands: Effects of Positive Charge on Quadruplex Binding Affinity and Cell Proliferation. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 6381-6392.	2.9	123

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19	Vanadium carbide nanoparticles encapsulated in graphitic carbon network nanosheets: A high-efficiency electrocatalyst for hydrogen evolution reaction. <i>Nano Energy</i> , 2016, 26, 603-609.	8.2	120
20	Transition metal-doped nickel phosphide nanoparticles as electro- and photocatalysts for hydrogen generation reactions. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 186-193.	10.8	120
21	Ebselen as a potent covalent inhibitor of New Delhi metallo- $\beta$ -lactamase (NDM-1). <i>Chemical Communications</i> , 2015, 51, 9543-9546.	2.2	117
22	Ni-doped amorphous iron phosphide nanoparticles on TiN nanowire arrays: An advanced alkaline hydrogen evolution electrocatalyst. <i>Nano Energy</i> , 2018, 53, 66-73.	8.2	115
23	Effects of hydrophilic room-temperature ionic liquid 1-butyl-3-methylimidazolium tetrafluoroborate on direct electrochemistry and bioelectrocatalysis of heme proteins entrapped in agarose hydrogel films. <i>Electrochemistry Communications</i> , 2007, 9, 1709-1714.	2.3	109
24	Two-dimensional metal-organic framework and covalent-organic framework: synthesis and their energy-related applications. <i>Materials Today Chemistry</i> , 2019, 12, 34-60.	1.7	105
25	Promoting Effect of Water in Ruthenium-Catalyzed Hydrogenation of Carbon Dioxide to Formic Acid. <i>Organometallics</i> , 2001, 20, 1216-1222.	1.1	103
26	Organocatalytic Asymmetric Friedel-Crafts Alkylation/Cyclization Cascade Reaction of 1-Naphthols and $\alpha,\beta$ -Unsaturated Aldehydes: An Enantioselective Synthesis of Chromanes and Dihydrobenzopyranes. <i>Journal of Organic Chemistry</i> , 2009, 74, 6881-6884.	1.7	101
27	The effect of weak Brønsted acids on the electrocatalytic reduction of carbon dioxide by a rhenium tricarbonyl bipyridyl complex. <i>Journal of Electroanalytical Chemistry</i> , 1998, 453, 161-170.	1.9	100
28	Transition metal complexes as electrocatalysts—Development and applications in electro-oxidation reactions. <i>Coordination Chemistry Reviews</i> , 2007, 251, 2367-2385.	9.5	99
29	Discrete metal nanoparticles with plasmonic chirality. <i>Chemical Society Reviews</i> , 2021, 50, 3738-3754.	18.7	99
30	Self-Assembly and Molecular Recognition of a Luminescent Gold Rectangle. <i>Journal of the American Chemical Society</i> , 2004, 126, 15852-15869.	6.6	98
31	Palladium-catalyzed asymmetric allylic etherification: Electronic effect of nonconjugated substituents on benzylic alcohols on enantioselectivity. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1280-1283.	7.2	98
32	Enantioselective conjugate addition of diethylzinc to enones catalyzed by a copper complex of chiral aryl diphosphite. <i>Chemical Communications</i> , 1999, , 11-12.	2.2	97
33	Highly Efficient Asymmetric Epoxidation of Alkenes with a D4-Symmetric Chiral Dichlororuthenium(IV) Porphyrin Catalyst. <i>Journal of Organic Chemistry</i> , 2001, 66, 8145-8153.	1.7	97
34	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
35	Copper nanoparticles/polyaniline/graphene composite as a highly sensitive electrochemical glucose sensor. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 155-160.	1.9	92
36	Detection of cancer biomarkers by piezoelectric biosensor using PZT ceramic resonator as the transducer. <i>Biosensors and Bioelectronics</i> , 2013, 46, 155-161.	5.3	88

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37	Isaindigotone Derivatives: A New Class of Highly Selective Ligands for Telomeric G-Quadruplex DNA. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 2825-2835.	2.9	87
38	A sensing platform for hypoxanthine detection based on amino-functionalized metal organic framework nanosheet with peroxidase mimic and fluorescence properties. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 312-319.	4.0	86
39	Tuning the Morphology and Chiroptical Properties of Discrete Gold Nanorods with Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16452-16457.	7.2	86
40	Optical characteristics of a ruthenium(II) complex immobilized in a silicone rubber film for oxygen measurement. <i>Analyst, The</i> , 1993, 118, 289.	1.7	84
41	Electronic Spectroscopy, Photophysical Properties, and Emission Quenching Studies of an Oxidatively Robust Perfluorinated Platinum Porphyrin. <i>Inorganic Chemistry</i> , 2004, 43, 3724-3732.	1.9	83
42	Alkene cyclopropanation catalyzed by Halterman iron porphyrin: participation of organic bases as axial ligands. <i>Dalton Transactions</i> , 2006, , 4845.	1.6	83
43	Rational Design of Berberine-Based FtsZ Inhibitors with Broad-Spectrum Antibacterial Activity. <i>PLoS ONE</i> , 2014, 9, e97514.	1.1	82
44	Chirality Transfer from Sub- $\mu$ m Nanometer Biochemical Molecules to Sub- $\mu$ m Micrometer Plasmonic Metastructures: Physicochemical Mechanisms, Biosensing, and Bioimaging Opportunities. <i>Advanced Materials</i> , 2020, 32, e1907151.	11.1	81
45	Enantioselective Friedel-Crafts Alkylation of 4,7-Dihydroindoles with Enones Catalyzed by Primary-Secondary Diamines. <i>Chemistry - A European Journal</i> , 2009, 15, 11105-11108.	1.7	75
46	Two-dimensional layered nanomaterials for visible-light-driven photocatalytic water splitting. <i>Materials Today Energy</i> , 2018, 10, 352-367.	2.5	73
47	Tailored transition metal-doped nickel phosphide nanoparticles for the electrochemical oxygen evolution reaction (OER). <i>Chemical Communications</i> , 2018, 54, 8630-8633.	2.2	73
48	An optical biosensor for multi-sample determination of biochemical oxygen demand (BOD). <i>Sensors and Actuators B: Chemical</i> , 2005, 110, 289-298.	4.0	72
49	Benzothiazole-substituted benzofuroquinolinium dye: a selective switch-on fluorescent probe for G-quadruplex. <i>Chemical Communications</i> , 2011, 47, 4971.	2.2	72
50	Manganese/Bicarbonate-Catalyzed Epoxidation of Lipophilic Alkenes with Hydrogen Peroxide in Ionic Liquids. <i>Organic Letters</i> , 2003, 5, 3423-3425.	2.4	69
51	A Robust Ionic Liquid as Reaction Medium and Efficient Organocatalyst for Carbon Dioxide Fixation. <i>ChemSusChem</i> , 2008, 1, 67-70.	3.6	69
52	Review-Recent Advances in Electrochemical Chiral Recognition. <i>Journal of the Electrochemical Society</i> , 2019, 166, H205-H217.	1.3	69
53	Enantioselective electrocatalytic epoxidation of olefins by chiral manganese Schiff-base complexes. <i>Electrochemistry Communications</i> , 1999, 1, 559-563.	2.3	68
54	Electronic Communication Mediated by a Pt <sup>II</sup> -Pt <sup>IV</sup> -Bond. <i>Organometallics</i> , 2002, 21, 5292-5300.	1.1	67

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55	Characterization of ormosil film for dissolved oxygen-sensing. <i>Sensors and Actuators B: Chemical</i> , 2002, 87, 233-238.	4.0	65
56	Rational Design of a Novel Fluorescent Biosensor for $\beta$ -Lactam Antibiotics from a Class A $\beta$ -Lactamase. <i>Journal of the American Chemical Society</i> , 2004, 126, 4074-4075.	6.6	65
57	Identification of a New Class of FtsZ Inhibitors by Structure-Based Design and <i>in Vitro</i> Screening. <i>Journal of Chemical Information and Modeling</i> , 2013, 53, 2131-2140.	2.5	65
58	Syntheses, Structures, and Electrochemistry of Polynuclear CuI, AgI, and PtII Complexes Bearing Ferrocenyl Group. <i>Organometallics</i> , 2002, 21, 1612-1621.	1.1	64
59	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
60	Antibacterial activity of N -methylbenzofuro[3,2- b ]quinoline and N -methylbenzoindolo[3,2- b ]-quinoline derivatives and study of their mode of action. <i>European Journal of Medicinal Chemistry</i> , 2017, 135, 1-11.	2.6	64
61	Optical colorimetric sensor strip for direct readout glucose measurement. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3702-3705.	5.3	62
62	Transition metal dichalcogenide-based mixed-dimensional heterostructures for visible-light-driven photocatalysis: Dimensionality and interface engineering. <i>Nano Research</i> , 2021, 14, 2003-2022.	5.8	61
63	Probing Ruthenium $\pi$ -Acetylide Bonding Interactions: A Synthesis, Electrochemistry, and Spectroscopic Studies of Acetylide $\pi$ -Ruthenium Complexes Supported by Tetradentate Macrocyclic Amine and Diphosphine Ligands. <i>Journal of the American Chemical Society</i> , 2005, 127, 13997-14007.	6.6	58
64	Covalent functionalization of MoS <sub>2</sub> nanosheets synthesized by liquid phase exfoliation to construct electrochemical sensors for Cd (II) detection. <i>Talanta</i> , 2018, 182, 38-48.	2.9	58
65	Structural characterization, hypoglycemic effects and mechanism of a novel polysaccharide from <i>Tetrastigma hemsleyanum</i> Diels et Gilg. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 775-783.	3.6	58
66	Effects of electrode surface pretreatments on the electrochemistry of a macrocyclic dioxoruthenium(VI) complex. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1987, 226, 211-226.	0.3	57
67	Spectral, Structural, and Electrochemical Properties of Ruthenium Porphyrin Diaryl and Aryl(alkoxycarbonyl) Carbene Complexes: Influence of Carbene Substituents, Porphyrin Substituents, and trans-Axial Ligands. <i>Chemistry - A European Journal</i> , 2004, 10, 3486-3502.	1.7	56
68	Direct anodic exfoliation of graphite onto high-density aligned graphene for large capacity supercapacitors. <i>Nano Energy</i> , 2017, 34, 515-523.	8.2	56
69	Electrochemical sensing of 4-nitrochlorobenzene based on carbon nanohorns/graphene oxide nanohybrids. <i>Biosensors and Bioelectronics</i> , 2018, 106, 136-141.	5.3	56
70	Morphology-Controlled Synthesis of Au/Cu <sub>2</sub> FeSnS <sub>4</sub> Core-Shell Nanostructures for Plasmon-Enhanced Photocatalytic Hydrogen Generation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9072-9077.	4.0	54
71	Disordered layers on WO <sub>3</sub> nanoparticles enable photochemical generation of hydrogen from water. <i>Journal of Materials Chemistry A</i> , 2019, 7, 221-227.	5.2	54
72	Photoredox properties of [Os(NH <sub>3</sub> ) <sub>4</sub> ] <sup>3+</sup> and mechanism of formation of [{Os(NH <sub>3</sub> ) <sub>4</sub> (CH <sub>3</sub> CN)} <sub>2</sub> N <sub>2</sub> ] <sup>5+</sup> through a nitrido-coupling reaction. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 1411.	1.1	53

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73	Cu <sub>2</sub> ZnSnS <sub>4</sub> /MoS <sub>2</sub> -Reduced Graphene Oxide Heterostructure: Nanoscale Interfacial Contact and Enhanced Photocatalytic Hydrogen Generation. <i>Scientific Reports</i> , 2017, 7, 39411.	1.6	53
74	Solvent-free route to ionic liquid precursors using a water-moderated microwave process. <i>Green Chemistry</i> , 2002, 4, 328-330.	4.6	52
75	Iron(i) complexes of 2,9-bis(2-hydroxyphenyl)-1,10-phenanthroline (H <sub>2</sub> dophen) as electrocatalysts for carbon dioxide reduction. X-Ray crystal structures of [Fe(dophen)Cl] <sub>2</sub> ·2HCON(CH <sub>3</sub> ) <sub>2</sub> and [Fe(dophen)(N-Melm) <sub>2</sub> ]ClO <sub>4</sub> (N-Melm = 1-methylimidazole). <i>Dalton Transactions RSC</i> , 2002, , 575.	2.3	52
76	Cobalt and nickel complexes of 2,2'-bipyridine : 6-mercapto-2,2'-bipyridine as catalysts for electrochemical reduction of carbon dioxide. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 1103-1107.	1.1	50
77	Förster Resonance Energy Transfer-Based Biosensing Platform with Ultrasmall Silver Nanoclusters as Energy Acceptors. <i>Analytical Chemistry</i> , 2013, 85, 8493-8497.	3.2	50
78	Monooxo complexes of ruthenium(V) as homogeneous redox catalysts for the electrooxidation of benzyl alcohol. <i>Inorganic Chemistry</i> , 1987, 26, 737-741.	1.9	49
79	Switching on the Phosphorescence of Pyrene by Cycloplatination. <i>Organometallics</i> , 2009, 28, 51-59.	1.1	49
80	Hairpin DNA probes based on target-induced in situ generation of luminescent silver nanoclusters. <i>Chemical Communications</i> , 2014, 50, 4849.	2.2	49
81	Chiral pyrrolidine derivatives as catalysts in the enantioselective addition of diethylzinc to aldehydes. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 133-138.	1.8	48
82	MLCT and LMCT Transitions in Acetylide Complexes. Structural, Spectroscopic, and Redox Properties of Ruthenium(II) and -(III) Bis(1-arylacetylide) Complexes Supported by a Tetradentate Macrocyclic Tertiary Amine Ligand. <i>Organometallics</i> , 1999, 18, 2074-2080.	1.1	48
83	Discovery of a Drug-Like Quadruplex Binding Ligand by High-Throughput Docking. <i>ChemMedChem</i> , 2008, 3, 881-884.	1.6	48
84	Improving the performance stability of direct seawater electrolysis: from catalyst design to electrode engineering. <i>Nanoscale</i> , 2021, 13, 15177-15187.	2.8	48
85	Luminescent dicyanoplatinum(II) complexes as sensors for the optical measurement of oxygen concentrations. <i>Analytical Chemistry</i> , 1993, 65, 255-258.	3.2	47
86	Synthesis and Electronic Spectroscopy of Luminescent Cyclometalated Platinum~Anthracenyl Complexes. <i>Organometallics</i> , 2007, 26, 6533-6543.	1.1	47
87	Plasmonic Au/TiO <sub>2</sub> ~Dumbbell~On~Film Nanocavities for High-Efficiency Hot-Carrier Generation and Extraction. <i>Advanced Functional Materials</i> , 2018, 28, 1800383.	7.8	47
88	N-doped C-CoS <sub>2</sub> @CoS <sub>2</sub> /MoS <sub>2</sub> nano polyhedrons with hierarchical yolk-shelled structures as bifunctional catalysts for enhanced photovoltaics and hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021, 409, 128293.	6.6	47
89	A high-valent ruthenium(VI) dioxo cation of 1,4,8,11-tetramethyl-1,4,8,11-tetraazacyclotetradecane. <i>Inorganic Chemistry</i> , 1985, 24, 1797-1800.	1.9	45
90	A novel MCM-41-supported manganese(III) complex with nitrogen donor ligand for cyclohexene oxidation. <i>Microporous and Mesoporous Materials</i> , 1999, 32, 279-285.	2.2	45

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91	Optical biosensor for the determination of BOD in seawater. <i>Talanta</i> , 2006, 70, 97-103.	2.9	45
92	Mechanism of alcohol oxidation by trans-dioxoruthenium(VI): the effect of driving force on reactivity. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 1551.	1.1	44
93	Spectroscopy, molecular structure, and electrochemistry of rhenium(V) oxo and imido complexes of 1,4,8,11-tetraazacyclotetradecane (cyclam). <i>Inorganic Chemistry</i> , 1993, 32, 5827-5832.	1.9	44
94	Monolithic silica columns with mixed mode of hydrophilic interaction and weak anion-exchange stationary phase for pressurized capillary electrochromatography. <i>Electrophoresis</i> , 2006, 27, 3373-3380.	1.3	44
95	A tricarbonyl rhenium(i) complex with a pendant pyrrolidinium moiety as a robust and recyclable catalyst for chemical fixation of carbon dioxide in ionic liquid. <i>Chemical Communications</i> , 2007, , 2175.	2.2	44
96	Synthetic and Mechanistic Studies of Indium-Mediated Allylation of Imines in Ionic Liquids. <i>Journal of Organic Chemistry</i> , 2007, 72, 923-929.	1.7	44
97	Mechanistic Understanding of Excitation-Correlated Nonlinear Optical Properties in MoS <sub>2</sub> Nanosheets and Nanodots: The Role of Exciton Resonance. <i>ACS Photonics</i> , 2016, 3, 2434-2444.	3.2	44
98	Design, synthesis and antibacterial evaluation of 2,4-disubstituted-6-thiophenyl-pyrimidines. <i>European Journal of Medicinal Chemistry</i> , 2019, 161, 141-153.	2.6	44
99	A high-valent dioxoruthenium(VI) complex of 2,2'-bipyridine (bpy)-preparation and characterization of trans-bis(2,2'-bipyridine)dioxoruthenium(2+). <i>Inorganic Chemistry</i> , 1986, 25, 345-348.	1.9	43
100	Enhancing the electrochemiluminescence of tris(2,2'-bipyridyl)ruthenium(ii) by ionic surfactants. <i>Analyst</i> , 2005, 130, 541-544.	1.7	43
101	An optical biosensor for the rapid determination of glucose in human serum. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 866-873.	4.0	43
102	Sulfuric Acid-Catalyzed Conversion of Alkynes to Ketones in an Ionic Liquid Medium under Mild Reaction Conditions. <i>ACS Catalysis</i> , 2011, 1, 116-119.	5.5	43
103	Electrosynthesis of hydrogen peroxide in room temperature ionic liquids and in situ epoxidation of alkenes. <i>Chemical Communications</i> , 2005, , 1345.	2.2	42
104	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
105	Boron nitride nanosheets as a platform for fluorescence sensing. <i>Talanta</i> , 2017, 174, 365-371.	2.9	42
106	Stabilization of transition-metal complexes in high oxidation states by macrocyclic tertiary amines. Electrochemical generation and spectroscopic properties of novel dihalogeno and pseudohalogeno tetraamine complexes of ruthenium(IV). <i>Inorganic Chemistry</i> , 1986, 25, 1809-1813.	1.9	41
107	Halogenated platinum porphyrins as sensing materials for luminescence-based oxygen sensors. <i>Journal of Materials Chemistry</i> , 1993, 3, 1031.	6.7	41
108	A luminescence-based scanning respirometer for heavy metal toxicity monitoring. <i>Biosensors and Bioelectronics</i> , 1997, 12, 125-133.	5.3	40

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109	A Simple and Effective Catalytic System for Epoxidation of Aliphatic Terminal Alkenes with Manganese(II) as the Catalyst. <i>Chemistry - A European Journal</i> , 2008, 14, 7988-7996.	1.7	40
110	G-quadruplex DNAzyme as the turn on switch for fluorimetric detection of genetically modified organisms. <i>Chemical Communications</i> , 2011, 47, 1437-1439.	2.2	40
111	ORMOSIL oxygen sensors on polystyrene microplate for dissolved oxygen measurement. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 120-126.	4.0	39
112	Scanning optical sensor for the measurement of dissolved oxygen and BOD. <i>Sensors and Actuators B: Chemical</i> , 1994, 21, 143-149.	4.0	38
113	A simple synthetic route to N,N'-dialkyl-2,11-diaza[3.3](2,6)-pyridinophanes. Crystal structures of N,N'-di-tert-butyl-2,11-diaza[3.3](2,6)pyridinophane and its copper(II) complex. <i>Polyhedron</i> , 1994, 13, 771-776.	1.0	37
114	Fluorophore-Labeled $\beta$ -Lactamase as a Biosensor for $\beta$ -Lactam Antibiotics: A Study of the Biosensing Process. <i>Journal of the American Chemical Society</i> , 2008, 130, 6351-6361.	6.6	37
115	Evaluation of a luminescent ruthenium complex immobilized inside Nafion as optical pH sensor. <i>Analyst</i> , 1998, 123, 1843-1847.	1.7	36
116	A Dopamine Electrochemical Sensor Based on Molecularly Imprinted Poly(acrylamidophenylboronic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.5	36
117	A Thiazole Orange Derivative Targeting the Bacterial Protein FtsZ Shows Potent Antibacterial Activity. <i>Frontiers in Microbiology</i> , 2017, 8, 855.	1.5	36
118	Investigation of synergistic antimicrobial effects of the drug combinations of meropenem and 1,2-benzisoxenazol-3(2H)-one derivatives on carbapenem-resistant Enterobacteriaceae producing NDM-1. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 285-302.	2.6	36
119	Oxo-ruthenium(V) complexes of macrocyclic tetradentate tertiary amines that function as active electrochemical oxidative catalysts, and X-ray crystal structure of trans-[Ru IV (tmc)O(Cl)]ClO <sub>4</sub> (tmc) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 <i>Chemical Communications</i> , 1985, , 988.	2.0	35
120	Metal mediated allylation of carbonyl compounds in ionic liquids. <i>Green Chemistry</i> , 2002, 4, 161-164.	4.6	35
121	Grignard reagents in ionic liquids. <i>Chemical Communications</i> , 2006, , 2457.	2.2	35
122	High-Throughput Determination of Biochemical Oxygen Demand (BOD) by a Microplate-Based Biosensor. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4038-4044.	4.6	35
123	Antimicrobial activity of a quinuclidine-based FtsZ inhibitor and its synergistic potential with $\beta$ -lactam antibiotics. <i>Journal of Antibiotics</i> , 2015, 68, 253-258.	1.0	35
124	Characterization of a high-valent ruthenyl (RuIV $\epsilon^+$ O) cation stabilized by the macrocyclic 1,4,8,11-tetramethyl-1,4,8,11-tetra-azacyclotetradecane (tmc) ligand: crystal and molecular structure of trans-[RuIV(tmc)O(MeCN)][PF <sub>6</sub> ] <sub>2</sub> . <i>Journal of the Chemical Society Chemical Communications</i> , 1985, .	2.0	34
125	A green catalysis of CO <sub>2</sub> fixation to aliphatic cyclic carbonates by a new ionic liquid system. <i>Applied Catalysis A: General</i> , 2014, 472, 160-166.	2.2	34
126	Easily accessible ferrocenyl N-P/S type ligands and their applications in asymmetric allylic substitutions. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 497-499.	1.8	32



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