

Kwok-Yin Wong

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282
papers

10,580
citations

53
h-index

88
g-index

314
ext. papers

12,356
ext. citations

6.9
avg, IF

6.56
L-index

#	Paper	IF	Citations
282	Recent Advances in Electrocatalytic Hydrogen Evolution Using Nanoparticles. <i>Chemical Reviews</i> , 2020 , 120, 851-918	68.1	722
281	G-quadruplexes: targets in anticancer drug design. <i>ChemMedChem</i> , 2008 , 3, 690-713	3.7	414
280	Direct electrochemistry and electrocatalysis of heme proteins entrapped in agarose hydrogel films in room-temperature ionic liquids. <i>Langmuir</i> , 2005 , 21, 9260-6	4	326
279	Recent advance in MXenes: A promising 2D material for catalysis, sensor and chemical adsorption. <i>Coordination Chemistry Reviews</i> , 2017 , 352, 306-327	23.2	315
278	Stabilization of G-quadruplex DNA and down-regulation of oncogene c-myc by quindoline derivatives. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 1465-74	8.3	245
277	Prediction of the SARS-CoV-2 (2019-nCoV) 3C-like protease (3CL) structure: virtual screening reveals velpatasvir, ledipasvir, and other drug repurposing candidates. <i>F1000Research</i> , 2020 , 9, 129	3.6	205
276	A highly selective luminescent switch-on probe for histidine/histidine-rich proteins and its application in protein staining. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3735-9	16.4	190
275	Structural basis for vapoluminescent organoplatinum materials derived from noncovalent interactions as recognition components. <i>Chemistry - A European Journal</i> , 2003 , 9, 6155-66	4.8	156
274	Significant enhancement in photocatalytic reduction of water to hydrogen by Au/Cu ₂ ZnSnS ₄ nanostructure. <i>Advanced Materials</i> , 2014 , 26, 3496-500	24	150
273	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, 740-9	5.1	127
272	9-Substituted berberine derivatives as G-quadruplex stabilizing ligands in telomeric DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2007 , 15, 5493-501	3.4	126
271	Intramolecular N-H...H-Bu Proton-Hydride Interaction in Ruthenium Complexes with (2-(Dimethylamino)ethyl)cyclopentadienyl and (3-(Dimethylamino)propyl)cyclopentadienyl Ligands. Hydrogenation of CO ₂ to Formic Acid via the N-H...H-Bu Hydrogen-Bonded Complexes. <i>Organometallics</i> , 1998 , 17, 2768-2777	3.8	118
270	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	5.1	113
269	5-N-methylated quindoline derivatives as telomeric g-quadruplex stabilizing ligands: effects of 5-N positive charge on quadruplex binding affinity and cell proliferation. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 6381-92	8.3	110
268	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	5.1	101
267	An antibacterial platform based on capacitive carbon-doped TiO nanotubes after direct or alternating current charging. <i>Nature Communications</i> , 2018 , 9, 2055	17.4	99
266	Au Nanoparticles Decorated TiO ₂ Nanotube Arrays as a Recyclable Sensor for Photoenhanced Electrochemical Detection of Bisphenol A. <i>Environmental Science & Technology</i> , 2016 , 50, 4430-8	10.3	97

265	Promoting Effect of Water in Ruthenium-Catalyzed Hydrogenation of Carbon Dioxide to Formic Acid. <i>Organometallics</i> , 2001 , 20, 1216-1222	3.8	95
264	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	17.1	92
263	Ebselen as a potent covalent inhibitor of New Delhi metallo-β-lactamase (NDM-1). <i>Chemical Communications</i> , 2015 , 51, 9543-6	5.8	91
262	Enantioselective conjugate addition of diethylzinc to enones catalyzed by a copper complex of chiral aryl diphosphite. <i>Chemical Communications</i> , 1999 , 11-12	5.8	91
261	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, 6881-4	4.2	90
260	Self-assembly and molecular recognition of a luminescent gold rectangle. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15852-69	16.4	90
259	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	4.1	87
258	Highly efficient asymmetric epoxidation of alkenes with a D(4)-symmetric chiral dichlororuthenium(IV) porphyrin catalyst. <i>Journal of Organic Chemistry</i> , 2001 , 66, 8145-53	4.2	84
257	Transition metal-doped nickel phosphide nanoparticles as electro- and photocatalysts for hydrogen generation reactions. <i>Applied Catalysis B: Environmental</i> , 2019 , 242, 186-193	21.8	84
256	Palladium-(S,pR)-FerroNPS-catalyzed asymmetric allylic etherification: electronic effect of nonconjugated substituents on benzylic alcohols on enantioselectivity. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1280-3	16.4	83
255	Transition metal complexes as electrocatalysts Development and applications in electro-oxidation reactions. <i>Coordination Chemistry Reviews</i> , 2007 , 251, 2367-2385	23.2	80
254	Alkene cyclopropanation catalyzed by Halterman iron porphyrin: participation of organic bases as axial ligands. <i>Dalton Transactions</i> , 2006 , 4845-51	4.3	77
253	Photocatalytic water splitting by N-TiO on MgO (111) with exceptional quantum efficiencies at elevated temperatures. <i>Nature Communications</i> , 2019 , 10, 4421	17.4	76
252	Isaindigotone derivatives: a new class of highly selective ligands for telomeric G-quadruplex DNA. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 2825-35	8.3	75
251	Electronic spectroscopy, photophysical properties, and emission quenching studies of an oxidatively robust perfluorinated platinum porphyrin. <i>Inorganic Chemistry</i> , 2004 , 43, 3724-32	5.1	74
250	Ni-doped amorphous iron phosphide nanoparticles on TiN nanowire arrays: An advanced alkaline hydrogen evolution electrocatalyst. <i>Nano Energy</i> , 2018 , 53, 66-73	17.1	72
249	Two-dimensional metal-organic framework and covalent-organic framework: synthesis and their energy-related applications. <i>Materials Today Chemistry</i> , 2019 , 12, 34-60	6.2	69
248	Enantioselective Friedel-Crafts alkylation of 4,7-dihydroindoles with enones catalyzed by primary-secondary diamines. <i>Chemistry - A European Journal</i> , 2009 , 15, 11105-8	4.8	66

247	A robust ionic liquid as reaction medium and efficient organocatalyst for carbon dioxide fixation. <i>ChemSusChem</i> , 2008 , 1, 67-70	8.3	66
246	Optical characteristics of a ruthenium(II) complex immobilized in a silicone rubber film for oxygen measurement. <i>Analyst, The</i> , 1993 , 118, 289	5	66
245	Rational design of berberine-based FtsZ inhibitors with broad-spectrum antibacterial activity. <i>PLoS ONE</i> , 2014 , 9, e97514	3.7	66
244	Copper nanoparticles/polyaniline/graphene composite as a highly sensitive electrochemical glucose sensor. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 781, 155-160	4.1	66
243	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
242	2H/1T Phase Transition of Multilayer MoS ₂ by Electrochemical Incorporation of S Vacancies. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4754-4765	6.1	65
241	Benzothiazole-substituted benzofuroquinolinium dye: a selective switch-on fluorescent probe for G-quadruplex. <i>Chemical Communications</i> , 2011 , 47, 4971-3	5.8	65
240	Manganese/Bicarbonate-catalyzed epoxidation of lipophilic alkenes with hydrogen peroxide in ionic liquids. <i>Organic Letters</i> , 2003 , 5, 3423-5	6.2	65
239	Detection of cancer biomarkers by piezoelectric biosensor using PZT ceramic resonator as the transducer. <i>Biosensors and Bioelectronics</i> , 2013 , 46, 155-61	11.8	63
238	Electronic Communication Mediated by a Pt Pt EBond. <i>Organometallics</i> , 2002 , 21, 5292-5300	3.8	62
237	An optical biosensor for multi-sample determination of biochemical oxygen demand (BOD). <i>Sensors and Actuators B: Chemical</i> , 2005 , 110, 289-298	8.5	59
236	Characterization of ormosil film for dissolved oxygen-sensing. <i>Sensors and Actuators B: Chemical</i> , 2002 , 87, 233-238	8.5	58
235	Syntheses, Structures, and Electrochemistry of Polynuclear CuI, AgI, and PtII Complexes Bearing Ferrocenyl Group. <i>Organometallics</i> , 2002 , 21, 1612-1621	3.8	58
234	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, 4074-5	16.4	57
233	Enantioselective electrocatalytic epoxidation of olefins by chiral manganese Schiff-base complexes. <i>Electrochemistry Communications</i> , 1999 , 1, 559-563	5.1	57
232	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
231	Probing ruthenium-acetylide bonding interactions: synthesis, electrochemistry, and spectroscopic studies of acetylide-ruthenium complexes supported by tetradentate macrocyclic amine and diphosphine ligands. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13997-4007	16.4	56
230	Identification of a new class of FtsZ inhibitors by structure-based design and in vitro screening. <i>Journal of Chemical Information and Modeling</i> , 2013 , 53, 2131-40	6.1	53

229	Optical colorimetric sensor strip for direct readout glucose measurement. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 3702-5	11.8	53
228	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	8.5	52
227	Tailored transition metal-doped nickel phosphide nanoparticles for the electrochemical oxygen evolution reaction (OER). <i>Chemical Communications</i> , 2018 , 54, 8630-8633	5.8	52
226	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, 3486-502	4.8	52
225	Direct anodic exfoliation of graphite onto high-density aligned graphene for large capacity supercapacitors. <i>Nano Energy</i> , 2017 , 34, 515-523	17.1	49
224	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	6.8	49
223	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		48
222	Morphology-Controlled Synthesis of Au/CuBeSnS ₂ Core-Shell Nanostructures for Plasmon-Enhanced Photocatalytic Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9072-7	9.5	47
221	Solvent-free route to ionic liquid precursors using a water-moderated microwave process. <i>Green Chemistry</i> , 2002 , 4, 328-330	10	47
220	Iron(II) complexes of 2,9-bis(2-hydroxyphenyl)-1,10-phenanthroline (H ₂ dophen) as electrocatalysts for carbon dioxide reduction. X-Ray crystal structures of [Fe(dophen)Cl] ₂ ·2H ₂ O·CON(CH ₃) ₂ and [Fe(dophen)(N-Melm) ₂] ₂ ClO ₄ (N-Melm = 1-methylimidazole). <i>Dalton Transactions RSC</i> , 2002 , 575		47
219	Review Recent Advances in Electrochemical Chiral Recognition. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H205-H217	3.9	45
218	Förster resonance energy transfer-based biosensing platform with ultrasmall silver nanoclusters as energy acceptors. <i>Analytical Chemistry</i> , 2013 , 85, 8493-7	7.8	45
217	Discovery of a drug-like G-quadruplex binding ligand by high-throughput docking. <i>ChemMedChem</i> , 2008 , 3, 881-4	3.7	45
216	Hairpin DNA probes based on target-induced in situ generation of luminescent silver nanoclusters. <i>Chemical Communications</i> , 2014 , 50, 4849-52	5.8	44
215	Chiral pyrrolidine derivatives as catalysts in the enantioselective addition of diethylzinc to aldehydes. <i>Tetrahedron: Asymmetry</i> , 1999 , 10, 133-138		44
214	Cobalt and nickel complexes of 2,2':6',2''-quaterpyridine as catalysts for electrochemical reduction of carbon dioxide. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995 , 1103-1107		44
213	Photoredox properties of [Os(NH ₃) ₄] ³⁺ and mechanism of formation of [{Os(NH ₃) ₄ (CH ₃ CN)} ₂ N ₂] ⁵⁺ through a nitrido-coupling reaction. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992 , 1411		44
212	Monooxo complexes of ruthenium(V) as homogeneous redox catalysts for the electrooxidation of benzyl alcohol. <i>Inorganic Chemistry</i> , 1987 , 26, 737-741	5.1	44

211	Electrochemical sensing of 4-nitrochlorobenzene based on carbon nanohorns/graphene oxide nano hybrids. <i>Biosensors and Bioelectronics</i> , 2018 , 106, 136-141	11.8	43
210	Switching on the Phosphorescence of Pyrene by Cycloplatination. <i>Organometallics</i> , 2009 , 28, 51-59	3.8	43
209	Monolithic silica columns with mixed mode of hydrophilic interaction and weak anion-exchange stationary phase for pressurized capillary electrochromatography. <i>Electrophoresis</i> , 2006 , 27, 3373-80	3.6	43
208	Synthesis and Electronic Spectroscopy of Luminescent Cyclometalated Platinum Anthracenyl Complexes. <i>Organometallics</i> , 2007 , 26, 6533-6543	3.8	43
207	Covalent functionalization of MoS nanosheets synthesized by liquid phase exfoliation to construct electrochemical sensors for Cd (II) detection. <i>Talanta</i> , 2018 , 182, 38-48	6.2	42
206	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 , 2175-7	5.8	42
205	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		42
204	CuZnSnS/MoS-Reduced Graphene Oxide Heterostructure: Nanoscale Interfacial Contact and Enhanced Photocatalytic Hydrogen Generation. <i>Scientific Reports</i> , 2017 , 7, 39411	4.9	40
203	G-quadruplex DNAzyme as the turn on switch for fluorimetric detection of genetically modified organisms. <i>Chemical Communications</i> , 2011 , 47, 1437-9	5.8	40
202	An optical biosensor for the rapid determination of glucose in human serum. <i>Sensors and Actuators B: Chemical</i> , 2008 , 129, 866-873	8.5	40
201	Optical biosensor for the determination of BOD in seawater. <i>Talanta</i> , 2006 , 70, 97-103	6.2	40
200	MLCT and LMCT Transitions in Acetylide Complexes. Structural, Spectroscopic, and Redox Properties of Ruthenium(II) and -(III) Bis(Earylacetylide) Complexes Supported by a Tetradentate Macrocyclic Tertiary Amine Ligand. <i>Organometallics</i> , 1999 , 18, 2074-2080	3.8	39
199	Luminescent dicyanoplatinum(II) complexes as sensors for the optical measurement of oxygen concentrations. <i>Analytical Chemistry</i> , 1993 , 65, 255-258	7.8	39
198	Tuning the Morphology and Chiroptical Properties of Discrete Gold Nanorods with Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16452-16457	16.4	39
197	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	13.1	38
196	Synthetic and mechanistic studies of indium-mediated allylation of imines in ionic liquids. <i>Journal of Organic Chemistry</i> , 2007 , 72, 923-9	4.2	38
195	Enhancing the electrochemiluminescence of tris(2,2'-bipyridyl)ruthenium(II) by ionic surfactants. <i>Analyst, The</i> , 2005 , 130, 541-4	5	38
194	Electrosynthesis of hydrogen peroxide in room temperature ionic liquids and in situ epoxidation of alkenes. <i>Chemical Communications</i> , 2005 , 1345-7	5.8	38

193	Disordered layers on WO ₃ nanoparticles enable photochemical generation of hydrogen from water. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 221-227	13	37
192	ORMOSIL oxygen sensors on polystyrene microplate for dissolved oxygen measurement. <i>Sensors and Actuators B: Chemical</i> , 2007 , 123, 120-126	8.5	37
191	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	5.3	37
190	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	5.1	37
189	Halogenated platinum porphyrins as sensing materials for luminescence-based oxygen sensors. <i>Journal of Materials Chemistry</i> , 1993 , 3, 1031		37
188	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	5.1	36
187	Plasmonic Au/TiO ₂ -Dumbbell-On-Film Nanocavities for High-Efficiency Hot-Carrier Generation and Extraction. <i>Advanced Functional Materials</i> , 2018 , 28, 1800383	15.6	35
186	A luminescence-based scanning respirometer for heavy metal toxicity monitoring. <i>Biosensors and Bioelectronics</i> , 1997 , 12, 125-133	11.8	35
185	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, 7988-96	4.8	35
184	Scanning optical sensor for the measurement of dissolved oxygen and BOD. <i>Sensors and Actuators B: Chemical</i> , 1994 , 21, 143-149	8.5	35
183	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	5.1	34
182	Two-dimensional layered nanomaterials for visible-light-driven photocatalytic water splitting. <i>Materials Today Energy</i> , 2018 , 10, 352-367	7	34
181	Antimicrobial activity of a quinuclidine-based FtsZ inhibitor and its synergistic potential with β -lactam antibiotics. <i>Journal of Antibiotics</i> , 2015 , 68, 253-8	3.7	33
180	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 ₄ (tmc = 1,4,8,11-tetramethyl-1,4,8,11-tetra-azacyclotetradecane). <i>Journal of the Chemical Society Chemical Communications</i> , 2007 , 1866		33
179	Characterization of a high-valent ruthenyl (Ru ^{IV} 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-[Ru ^{IV} (tmc)O(MeCN)][PF ₆] ₂ . <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 546-548		33
178	Structural characterization, hypoglycemic effects and mechanism of a novel polysaccharide from <i>Tetragium hemsleyanum</i> Diels et Gilg. <i>International Journal of Biological Macromolecules</i> , 2019 , 123, 775-783	7.9	33
177	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
176	Evaluation of a luminescent ruthenium complex immobilized inside Nafion as optical pH sensor. <i>Analyst, The</i> , 1998 , 123, 1843-1847	5	32

- 175 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. *Polyhedron*, **1994**, 13, 771-776 2.7 32
- 174 Mechanistic Understanding of Excitation-Correlated Nonlinear Optical Properties in MoS₂ Nanosheets and Nanodots: The Role of Exciton Resonance. *ACS Photonics*, **2016**, 3, 2434-2444 6.3 31
- 173 Grignard reagents in ionic liquids. *Chemical Communications*, **2006**, 2457-9 5.8 31
- 172 Metal mediated allylation of carbonyl compounds in ionic liquids. *Green Chemistry*, **2002**, 4, 161-164 10 31
- 171 Design, synthesis and antibacterial evaluation of 2,4-disubstituted-6-thiophenyl-pyrimidines. *European Journal of Medicinal Chemistry*, **2019**, 161, 141-153 6.8 31
- 170 A Dopamine Electrochemical Sensor Based on Molecularly Imprinted Poly(acrylamidophenylboronic acid) Film. *Electroanalysis*, **2013**, 25, 1085-1094 3 30
- 169 Construction of a molecular beacon based on two-photon excited fluorescence resonance energy transfer with quantum dot as donor. *Chemical Communications*, **2011**, 47, 2622-4 5.8 30
- 168 Electrocatalytic reduction of carbon dioxide by a polymeric film of rhenium tricarbonyl dipyridylamine. *Journal of Organometallic Chemistry*, **2009**, 694, 2842-2845 2.3 30
- 167 High-valent dioxo-ruthenium(VI) complexes of macrocyclic tetradentate tertiary amines: X-ray crystal structures of trans-[RuVI(15-tmc)O₂](ClO₄)₂(15-tmc = 1,4,8,12-tetramethyl-1,4,8,12-tetra-azacyclopentadecane) and trans-[RuVI(16-tmc)O₂](ClO₄)₂(16-tmc = 1,5,9,13-tetramethyl-1,5,9,13-tetra-azacyclohexadecane). 30
- 166 Arylimido complexes of ruthenium(IV) porphyrins. *Journal of the Chemical Society Dalton Transactions*, **1997**, 237-244 29
- 165 Fluorophore-labeled beta-lactamase as a biosensor for beta-lactam antibiotics: a study of the biosensing process. *Journal of the American Chemical Society*, **2008**, 130, 6351-61 16.4 29
- 164 Easily accessible ferrocenyl N-P/S type ligands and their applications in asymmetric allylic substitutions. *Tetrahedron: Asymmetry*, **2006**, 17, 497-499 29
- 163 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). *Inorganic Chemistry*, **1986**, 25, 1809-1813 5.1 29
- 162 A green catalysis of CO₂ fixation to aliphatic cyclic carbonates by a new ionic liquid system. *Applied Catalysis A: General*, **2014**, 472, 160-166 5.1 28
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- 160 Recent development in functionalized ionic liquids as reaction media and promoters. *Canadian Journal of Chemistry*, **2012**, 90, 1-16 0.9 27
- 159 High-throughput determination of biochemical oxygen demand (BOD) by a microplate-based biosensor. *Environmental Science & Technology*, **2007**, 41, 4038-44 10.3 27
- 158 Ligand C-N bond cleavage on ruthenium: observation of a reversible ruthenium(V) imido/ruthenium(II) imine couple and X-ray crystal structure of [Ru(bpy)₂(NHCM₂)₂](PF₆)₂(bpy = 2,2'-bipyridine). *Journal of the Chemical Society Chemical Communications*, **1992**, 754-756 27

157	A Thiazole Orange Derivative Targeting the Bacterial Protein FtsZ Shows Potent Antibacterial Activity. <i>Frontiers in Microbiology</i> , 2017 , 8, 855	5.7	26
156	Synthesis, structure, reactivity and electrochemistry of cis-dioxoruthenium-(VI) and -(V) complexes containing N,N,N',N',3,6-hexamethyl-3,6-diazaoctane-1,8-diamine. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992 , 2109-2116		26
155	Discrete metal nanoparticles with plasmonic chirality. <i>Chemical Society Reviews</i> , 2021 , 50, 3738-3754	58.5	26
154	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	6.8	25
153	Organometallic reactions in ionic liquids. Alkylation of aldehydes with diethylzinc. <i>Green Chemistry</i> , 2004 , 6, 241	10	25
152	The performance of oxygen sensing films with ruthenium-adsorbed fumed silica dispersed in silicone rubber. <i>Analyst, The</i> , 1999 , 124, 691-694	5	25
151	Indirect catalytic epoxidation with hydrogen peroxide electrogenerated in ionic liquids. <i>Tetrahedron</i> , 2006 , 62, 6650-6658	2.4	24
150	Ligand Effect on the Structures and Acidities of [TpOs(H ₂)(PPh ₃) ₂]BF ₄ and [CpOsH ₂ (PR ₃) ₂]BF ₄ . <i>Organometallics</i> , 1998 , 17, 4556-4561	3.8	24
149	PVC matrix membrane sensor for fluorescent determination of phosphate. <i>Talanta</i> , 2006 , 70, 32-6	6.2	23
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9	The study of 9,10-dihydroacridine derivatives as a new and effective molecular scaffold for antibacterial agent development. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 546, 40-43	3.4	0
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7	Guest-Anion-Induced Rotation-Restricted Emission in UiO-66-NH ₂ and Advanced Structure Elucidation. <i>Chemistry of Materials</i> , 2021 , 33, 5422-5429	9.6	0
6	Design and synthesis of quinolinium-based derivatives targeting FtsZ for antibacterial evaluation and mechanistic study.. <i>European Journal of Medicinal Chemistry</i> , 2022 , 236, 114360	6.8	0
5	Gold Nanosweepers (AuNSs): A Novel Application of PEGylated AuNPs. <i>Chemistry Letters</i> , 2015 , 44, 191-193	1.3	0
4	Recent Development in Water Oxidation Catalysts Based on Manganese and Cobalt Complexes. <i>Green Chemistry and Sustainable Technology</i> , 2015 , 365-394	1.1	0
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2	Unexpected Promotional Effects of Alkyl-Tailed Ligands and Anions on the Electrochemical Generation of Ruthenium(IV)-Oxo Complexes. <i>ChemElectroChem</i> , 2021 , 8, 2221-2230	4.3	0
1	Plasma and Renal Cortex Meropenem Concentrations in Patients Undergoing Percutaneous Renal Biopsy. <i>BioMed Research International</i> , 2019 , 2019, 1368397	3	0