

Kwok-Yin Wong

List of Publications by Year in Descending Order

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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.

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	Membrane-disruptive engineered peptide amphiphiles restrain the proliferation of penicillins and cephalosporins resistant <i>Vibrio alginolyticus</i> and <i>Vibrio parahaemolyticus</i> in instant jellyfish. <i>Food Control</i> , 2022 , 135, 108827	6.2	1
281	Scattering asymmetry and circular dichroism in coupled PT-symmetric chiral nanoparticles. <i>Nanophotonics</i> , 2022 ,	6.3	2
280	Discovery of FtsZ inhibitors by virtual screening as antibacterial agents and study of the inhibition mechanism.. <i>RSC Medicinal Chemistry</i> , 2022 , 13, 79-89	3.5	3
279	Atomically precise bimetallic metal ensembles with tailorable synergistic effects. <i>Cell Reports Physical Science</i> , 2022 , 100850	6.1	1
278	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
277	Controlled synthesis of Bi- and tri-nuclear Cu-oxo nanoclusters on metal-organic frameworks and the structure-reactivity correlations.. <i>Chemical Science</i> , 2021 , 13, 50-58	9.4	0
276	Unveiling the evolution routes of TEM-type extended-spectrum β -lactamases.. <i>International Journal of Antimicrobial Agents</i> , 2021 , 106498	14.3	0
275	Parameterization of Large Ligands for Gromacs Molecular Dynamics Simulation with LigParGen. <i>Methods in Molecular Biology</i> , 2021 , 2199, 277-288	1.4	1
274	Rational Design and Construction of Active-Site Labeled Enzymes. <i>Methods in Molecular Biology</i> , 2021 , 2199, 13-22	1.4	1
273	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, 40-45	3.4	0
272	Synthetic Hexadecapeptide Prevents Postharvest <i>Pectobacterium carotovorum</i> (subsp. <i>brasiliensis</i> BC1) Infection via Destabilizing Cell Envelope and Suppressing Biosynthesis of Arginine and Peptidoglycan. <i>ACS Food Science & Technology</i> , 2021 , 1, 614-624		1
271	N-doped C-CoS ₂ @CoS ₂ /MoS ₂ nano polyhedrons with hierarchical yolk-shelled structures as bifunctional catalysts for enhanced photovoltaics and hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021 , 409, 128293	14.7	11
270	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	
269	Virtual screening on the web for drug repurposing: a primer. <i>Journal of Biological Methods</i> , 2021 , 8, e148	1.4	0
268	Investigation of antibiofilm activity, antibacterial activity, and mechanistic studies of an amphiphilic peptide against <i>Acinetobacter baumannii</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021 , 1863, 183600	3.8	11
267	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
266	Transition metal dichalcogenide-based mixed-dimensional heterostructures for visible-light-driven photocatalysis: Dimensionality and interface engineering. <i>Nano Research</i> , 2021 , 14, 2003-2022	10	20

265	Synthesis of 1,3,4-trisubstituted pyrrolidines as meropenem adjuvants targeting New Delhi metallo-β-lactamase. <i>New Journal of Chemistry</i> , 2021 , 45, 3515-3534	3.6	2
264	Discrete metal nanoparticles with plasmonic chirality. <i>Chemical Society Reviews</i> , 2021 , 50, 3738-3754	58.5	26
263	Molecular Recognition and Imaging of Human Telomeric G-Quadruplex DNA in Live Cells: A Systematic Advancement of Thiazole Orange Scaffold To Enhance Binding Specificity and Inhibition of Gene Expression. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 2125-2138	8.3	7
262	Antimicrobial peptide zp37 inhibits Escherichia coli O157:H7 in alfalfa sprouts by inflicting damage in cell membrane and binding to DNA. <i>LWT - Food Science and Technology</i> , 2021 , 146, 111392	5.4	3
261	TiO ₂ film supported by vertically aligned gold nanorod superlattice array for enhanced photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021 , 417, 127900	14.7	8
260	An ornithine-rich dodecapeptide with improved proteolytic stability selectively kills gram-negative food-borne pathogens and its action mode on Escherichia coli O157:H7. <i>International Journal of Food Microbiology</i> , 2021 , 352, 109281	5.8	3
259	Controlling Listeria monocytogenes in ready-to-eat leafy greens by amphipathic helix peptide zp80 and its antimicrobial mechanisms. <i>LWT - Food Science and Technology</i> , 2021 , 152, 112412	5.4	2
258	Improving the performance stability of direct seawater electrolysis: from catalyst design to electrode engineering. <i>Nanoscale</i> , 2021 , 13, 15177-15187	7.7	4
257	Rational structural modification of the isatin scaffold to develop new and potent antimicrobial agents targeting bacterial peptidoglycan glycosyltransferase.. <i>RSC Advances</i> , 2021 , 11, 18122-18130	3.7	1
256	Mono-PEGylation of a Thermostable Arginine-Depleting Enzyme for the Treatment of Lung Cancer. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
255	Imidazole Type Antifungal Drugs Are Effective Colistin Adjuvants That Resensitize Colistin-Resistant Enterobacteriaceae. <i>Advanced Therapeutics</i> , 2020 , 3, 2000084	4.9	8
254	A bioengineered arginine-depleting enzyme as a long-lasting therapeutic agent against cancer. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 3921-3934	5.7	8
253	Designed Hexadecapeptides Synergize Glycopeptide Antibiotics Vancomycin and Teicoplanin against Pathogenic via Disruption of Cell Permeability and Potential.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 1738-1752	4.1	13
252	Hydrophobic substituents on isatin derivatives enhance their inhibition against bacterial peptidoglycan glycosyltransferase activity. <i>Bioorganic Chemistry</i> , 2020 , 97, 103710	5.1	5
251	Enhanced Activity against Multidrug-Resistant Bacteria through Coapplication of an Analogue of Tachyplesin I and an Inhibitor of the QseC/B Signaling Pathway. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 3475-3484	8.3	9
250	Bioisosteric investigation of ebselen: Synthesis and in vitro characterization of 1,2-benzisothiazol-3(2H)-one derivatives as potent New Delhi metallo-β-lactamase inhibitors. <i>Bioorganic Chemistry</i> , 2020 , 100, 103873	5.1	9
249	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
248	BADAN-conjugated β-lactamases as biosensors for β-lactam antibiotic detection. <i>PLoS ONE</i> , 2020 , 15, e0241594	3.7	0

247	Differential Adsorption of l- and d-Lysine on Achiral MFI Zeolites as Determined by Synchrotron X-Ray Powder Diffraction and Thermogravimetric Analysis. <i>Angewandte Chemie</i> , 2020 , 132, 1109-1113	3.6	4
246	Differential Adsorption of l- and d-Lysine on Achiral MFI Zeolites as Determined by Synchrotron X-Ray Powder Diffraction and Thermogravimetric Analysis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1093-1097	16.4	6
245	Recent Advances in Electrocatalytic Hydrogen Evolution Using Nanoparticles. <i>Chemical Reviews</i> , 2020 , 120, 851-918	68.1	722
244	Design of a structure-based fluorescent biosensor from bioengineered arginine deiminase for rapid determination of L-arginine. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 472-482	7.9	6
243	In situ deposition of MOF-74(Cu) nanosheet arrays onto carbon cloth to fabricate a sensitive and selective electrocatalytic biosensor and its application for the determination of glucose in human serum. <i>Mikrochimica Acta</i> , 2020 , 187, 670	5.8	11
242	A rational study on the geometric and electronic properties of single-atom catalysts for enhanced catalytic performance. <i>Nanoscale</i> , 2020 , 12, 23206-23212	7.7	6
241	Blue ordered/disordered Janus-type TiO ₂ nanoparticles for enhanced photocatalytic hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22828-22839	13	10
240	Chirality Transfer from Sub-Nanometer Biochemical Molecules to Sub-Micrometer Plasmonic Metastructures: Physicochemical Mechanisms, Biosensing, and Bioimaging Opportunities. <i>Advanced Materials</i> , 2020 , 32, e1907151	24	23
239	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
238	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
237	Review Recent Advances in Electrochemical Chiral Recognition. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H205-H217	3.9	45
236	Antibacterial activity and mechanism of action of a thiophenyl substituted pyrimidine derivative.. <i>RSC Advances</i> , 2019 , 9, 10739-10744	3.7	6
235	Probing Conformation Change and Binding Mode of Metal Ion-Carboxyl Coordination Complex through Resonant Surface-Enhanced Raman Spectroscopy and Density Functional Theory. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4692-4698	6.4	13
234	pH-dependent and cathepsin B activable CaCO nanoprobe for targeted in vivo tumor imaging. <i>International Journal of Nanomedicine</i> , 2019 , 14, 4309-4317	7.3	5
233	Phenol-Soluble-Modulin-Inspired Amphipathic Peptides Have Bactericidal Activity against Multidrug-Resistant Bacteria. <i>ChemMedChem</i> , 2019 , 14, 1547-1559	3.7	12
232	Au-Pd alloy nanoparticles catalyze the colorimetric detection of hydrazine with methylene blue. <i>Inorganic Chemistry Communication</i> , 2019 , 107, 107455	3.1	3
231	Triple-Shelled Co-VSe Hollow Nanocages as Superior Bifunctional Electrode Materials for Efficient Pt-Free Dye-Sensitized Solar Cells and Hydrogen Evolution Reactions. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43278-43286	9.5	14
230	Antibacterial activity of indolyl-quinolinium derivatives and study their mode of action. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 1274-1282	3.4	17

229	Fluorometric determination of the activity of inorganic pyrophosphatase and its inhibitors by exploiting the peroxidase mimicking properties of a two-dimensional metal organic framework. <i>Mikrochimica Acta</i> , 2019 , 186, 190	5.8	13
228	Thermostable β -Lactamase Mutant with Its Active Site Conjugated with Fluorescein for Efficient β -Lactam Antibiotic Detection. <i>ACS Omega</i> , 2019 , 4, 20493-20502	3.9	4
227	Plasma and Renal Cortex Meropenem Concentrations in Patients Undergoing Percutaneous Renal Biopsy. <i>BioMed Research International</i> , 2019 , 2019, 1368397	3	
226	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	7.9	33
225	Boosting the efficacy of anti-MRSA β -Lactam antibiotics via an easily accessible, non-cytotoxic and orally bioavailable FtsZ inhibitor. <i>European Journal of Medicinal Chemistry</i> , 2019 , 163, 95-115	6.8	19
224	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
223	Design, synthesis and antibacterial evaluation of 2,4-disubstituted-6-thiophenyl-pyrimidines. <i>European Journal of Medicinal Chemistry</i> , 2019 , 161, 141-153	6.8	31
222	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
221	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
220	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
219	Electrochemical sensing of 4-nitrochlorobenzene based on carbon nanohorns/graphene oxide nanohybrids. <i>Biosensors and Bioelectronics</i> , 2018 , 106, 136-141	11.8	43
218	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
217	An isothermal single base extension based lateral flow biosensor and electrochemical assay for gene point mutation detection. <i>Analytical Methods</i> , 2018 , 10, 2863-2868	3.2	5
216	Cu ²⁺ -doped Carbon Nitride/MWCNT as an Electrochemical Glucose Sensor. <i>Electroanalysis</i> , 2018 , 30, 1446-1454	3	18
215	A quinoline-based FtsZ inhibitor for the study of antimicrobial activity and synergistic effects with β -Lactam antibiotics. <i>Journal of Pharmacological Sciences</i> , 2018 , 137, 283-289	3.7	16
214	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
213	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
212	Evaluation of Meropenem Pharmacokinetics in an Experimental Acute Respiratory Distress Syndrome (ARDS) Model during Extracorporeal Membrane Oxygenation (ECMO) by Using a PenP- β -Lactamase Biosensor. <i>Sensors</i> , 2018 , 18,	3.8	12

211	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
210	Efficient production of secretory <i>Streptomyces clavuligerus</i> β -lactamase inhibitory protein (BLIP) in <i>Pichia pastoris</i> . <i>AMB Express</i> , 2018 , 8, 64	4.1	3
209	Antibacterial activity of 3-methylbenzo[d]thiazol-methylquinolinium derivatives and study of their action mechanism. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018 , 33, 879-889	5.6	17
208	Study of Benzofuroquinolinium Derivatives as a New Class of Potent Antibacterial Agent and the Mode of Inhibition Targeting FtsZ. <i>Frontiers in Microbiology</i> , 2018 , 9, 1937	5.7	15
207	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
206	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
205	Influences of disulfide connectivity on structure and antimicrobial activity of tachyplesin I. <i>Journal of Peptide Science</i> , 2018 , 24, e3087	2.1	7
204	Creating Multiple Parallel Internal Phase Junctions on ZnS Nanoparticles as Highly Active Catalytic Sites. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800611	4.6	5
203	Probing the benzofuroquinolinium derivative as a potent antibacterial agent through the inhibition of FtsZ activity. <i>Journal of Pharmacological Sciences</i> , 2018 , 138, 83-85	3.7	5
202	Tuning the Morphology and Chiroptical Properties of Discrete Gold Nanorods with Amino Acids. <i>Angewandte Chemie</i> , 2018 , 130, 16690-16695	3.6	2
201	Two-dimensional layered nanomaterials for visible-light-driven photocatalytic water splitting. <i>Materials Today Energy</i> , 2018 , 10, 352-367	7	34
200	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
199	Hypoglycemic Effects of a Polysaccharide from <i>Tetrastigma hemsleyanum</i> Diels & Gilg in Alloxan-Induced Diabetic Mice. <i>Chemistry and Biodiversity</i> , 2018 , 15, e1800070	2.5	15
198	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
197	CuZnSnS/MoS-Reduced Graphene Oxide Heterostructure: Nanoscale Interfacial Contact and Enhanced Photocatalytic Hydrogen Generation. <i>Scientific Reports</i> , 2017 , 7, 39411	4.9	40
196	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
195	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
194	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

193	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
192	Boron nitride nanosheets as a platform for fluorescence sensing. <i>Talanta</i> , 2017 , 174, 365-371	6.2	27
191	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
190	CuI-Mediated Ultra-efficient Electrooxidation of Glucose. <i>ChemElectroChem</i> , 2017 , 4, 2788-2792	4.3	14
189	New application of tiplaxtinin as an effective FtsZ-targeting chemotype for an antimicrobial study. <i>MedChemComm</i> , 2017 , 8, 1909-1913	5	15
188	Electrocatalytic Reduction of Carbon Dioxide. <i>CheM</i> , 2017 , 3, 717-718	16.2	17
187	Efficient Synthesis of Amine-Linked 2,4,6-Trisubstituted Pyrimidines as a New Class of Bacterial FtsZ Inhibitors. <i>ACS Omega</i> , 2017 , 2, 7281-7292	3.9	16
186	A Thiazole Orange Derivative Targeting the Bacterial Protein FtsZ Shows Potent Antibacterial Activity. <i>Frontiers in Microbiology</i> , 2017 , 8, 855	5.7	26
185	Heterogeneous Phase Transfer Catalysis in Solid Phase Syntheses of Anth-Cyclic Tetrapeptides. <i>Journal of Organic Chemistry</i> , 2016 , 81, 8077-81	4.2	1
184	Mechanistic Understanding of Excitation-Correlated Nonlinear Optical Properties in MoS ₂ Nanosheets and Nanodots: The Role of Exciton Resonance. <i>ACS Photonics</i> , 2016 , 3, 2434-2444	6.3	31
183	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
182	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
181	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
180	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
179	Method Based on the β -Lactamase PenPC Fluorescent Labeled for β -Lactam Antibiotic Quantification in Human Plasma. <i>BioMed Research International</i> , 2016 , 2016, 4307987	3	4
178	Upturn protein-protein interaction through bioorthogonal incorporation of a turn-on fluorescent probe into β -lactamase. <i>Molecular BioSystems</i> , 2016 , 12, 3544-3549		4
177	Dominant Factors Governing the Electron Transfer Kinetics and Electrochemical Biosensing Properties of Carbon Nanofiber Arrays. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 28872-28879	9.5	14
176	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

175	A fluorescein-labeled AmpC β -lactamase allows rapid characterization of β -lactamase inhibitors by real-time fluorescence monitoring of the β -lactamase-inhibitor interactions. <i>Biotechnology Journal</i> , 2016 , 11, 257-65	5.6	2
174	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
173	Benzothiazole-substituted benzofuroquinolinium dyes as new fluorescent probes for G-quadruplex DNA. <i>Dyes and Pigments</i> , 2015 , 122, 94-102	4.6	19
172	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
171	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
170	Morphology-Controlled Synthesis of Au/Cu ₂ ZnSnS ₄ Core-Shell Nanostructures For Plasmon-Enhanced Photocatalytic Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9072-7	9.5	47
169	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
168	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
167	Catalytically impaired fluorescent class C β -lactamase enables rapid and sensitive cephalosporin detection by stabilizing fluorescence signals: implications for biosensor design. <i>Biotechnology Journal</i> , 2015 , 10, 126-35	5.6	6
166	Gold Nanosweepers (AuNSs): A Novel Application of PEGylated AuNPs. <i>Chemistry Letters</i> , 2015 , 44, 191-193		
165	Recent Development in Water Oxidation Catalysts Based on Manganese and Cobalt Complexes. <i>Green Chemistry and Sustainable Technology</i> , 2015 , 365-394	1.1	
164	Label-free detection of endocrine disrupting chemicals by integrating a competitive binding assay with a piezoelectric ceramic resonator. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 406-13	11.8	14
163	A green catalysis of CO ₂ fixation to aliphatic cyclic carbonates by a new ionic liquid system. <i>Applied Catalysis A: General</i> , 2014 , 472, 160-166	5.1	28
162	A signal-on fluorescence biosensor for detection of adenosine triphosphate based on click chemistry. <i>Analytical Methods</i> , 2014 , 6, 3370-3374	3.2	9
161	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
160	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
159	Structure-based design, synthesis, and biological evaluation of isatin derivatives as potential glycosyltransferase inhibitors. <i>Chemical Biology and Drug Design</i> , 2014 , 84, 685-96	2.9	17
158	Rational design of berberine-based FtsZ inhibitors with broad-spectrum antibacterial activity. <i>PLoS ONE</i> , 2014 , 9, e97514	3.7	66

157	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
156	Förster resonance energy transfer-based biosensing platform with ultras-small silver nanoclusters as energy acceptors. <i>Analytical Chemistry</i> , 2013 , 85, 8493-7	7.8	45
155	G-Quadruplex conformational change driven by pH variation with potential application as a nanoswitch. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 4935-42	4	21
154	Controlling the selectivity of the manganese/bicarbonate/hydrogen peroxide catalytic system by a biphasic pyrrolidinium ionic liquid/n-heptane medium. <i>Applied Catalysis A: General</i> , 2013 , 453, 244-249	5.1	10
153	A dinuclear ruthenium catalyst with a confined cavity: selectivity in the addition of aliphatic carboxylic acids to phenylacetylene. <i>Chemical Communications</i> , 2013 , 49, 710-2	5.8	21
152	A Dopamine Electrochemical Sensor Based on Molecularly Imprinted Poly(acrylamidophenylboronic acid) Film. <i>Electroanalysis</i> , 2013 , 25, 1085-1094	3	30
151	Graphitic carbon-nanoparticle-based single-label nanobeacons. <i>Chemistry - A European Journal</i> , 2013 , 19, 8063-7	4.8	18
150	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
149	A novel fluorescent biosensor for detection of target DNA fragment from the transgene cauliflower mosaic virus 35S promoter. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 168-71	11.8	20
148	Recent development in functionalized ionic liquids as reaction media and promoters. <i>Canadian Journal of Chemistry</i> , 2012 , 90, 1-16	0.9	27
147	Validation of the AmpC β -lactamase binding site and identification of inhibitors with novel scaffolds. <i>Journal of Chemical Information and Modeling</i> , 2012 , 52, 1367-75	6.1	6
146	A facile arrested precipitation method for synthesis of pure wurtzite Cu ₂ ZnSnS ₄ nanocrystals using thiourea as a sulfur source. <i>Materials Research Bulletin</i> , 2012 , 47, 3201-3205	5.1	17
145	Styryl quinolinium/G-quadruplex complex for dual-channel fluorescent sensing of Ag ⁺ and cysteine. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 295-299	8.5	13
144	Ruthenium terpyridine complexes containing a pyrrole-tagged 2,2'-bipyridylamine ligand-synthesis, crystal structure, and electrochemistry. <i>Inorganic Chemistry</i> , 2012 , 51, 6468-75	5.1	16
143	Role of rpoS in Escherichia coli O157:H7 strain H32 biofilm development and survival. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 8331-9	4.8	18
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