Binghe Wang

List of Publications by Year in Descending Order

372 papers	12,872 citations	54 h-index	101 g-index
433 ext. papers	14,169 ext. citations	5.7 avg, IF	6.58 L-index

#	Paper	IF	Citations
372	Activated charcoal dispersion of carbon monoxide prodrugs for oral delivery of CO in a pill.. *International Journal of Pharmaceutics*, **2022**, 618, 121650	6.5	1
371	Carbon monoxide signaling and soluble guanylyl cyclase: Facts, myths, and intriguing possibilities.. *Biochemical Pharmacology*, **2022**, 200, 115041	6	1
370	Targeted Delivery of Carbon Monoxide **2022**, 259-285		0
369	Fluorescent Probes for Intracellular Carbon Monoxide Detection **2022**, 319-343		
368	Delivery Systems and Noncarrier Formulations **2022**, 195-202		
367	Role of CO in Circadian Clock **2022**, 97-107		
366	Pharmacokinetic Characteristics of Carbon Monoxide **2022**, 44-87		
365	CO in Gastrointestinal Physiology and Protection **2022**, 466-481		
364	CO as a Protective Mediator of Liver Injury **2022**, 385-400		
363	Endogenous CO Production in Sickness and in Health **2022**, 1-26		
362	Organic CO Donors that Rely on Photolysis for CO Release **2022**, 223-231		
361	Biliverdin and Bilirubin as Parallel Products of CO Formation **2022**, 175-194		
360	Natural Products that Generate Carbon Monoxide **2022**, 302-317		1
359	Organic Carbon Monoxide Prodrugs that Release CO Under Physiological Conditions **2022**, 232-258		
358	Carbon Monoxide and Acute Kidney Injury **2022**, 434-452		
357	Carbon Monoxide in Acute Brain Injury and Brain Protection **2022**, 377-384		
356	CO and Pain Management **2022**, 497-510		

355	Carbon Monoxide as a Therapeutic for Airway Diseases: Contrast and Comparison of Various CO Delivery Modalities. *Current Topics in Medicinal Chemistry*, **2021**,	3	3
354	Design, synthesis, and biological evaluation of pyrimidine analogs as SecA inhibitors. *Medicinal Chemistry Research*, **2021**, 30, 1334-1340	2.2	1
353	Chemical Reactivities of Two Widely Used Ruthenium-Based CO-Releasing Molecules with a Range of Biologically Important Reagents and Molecules. *Analytical Chemistry*, **2021**, 93, 5317-5326	7.8	14
352	Novel Hydrogen Sulfide (HS)-Releasing BW-HS-101 and Its Non-HS Releasing Derivative in Modulation of Microscopic and Molecular Parameters of Gastric Mucosal Barrier. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
351	Thiouracil SecA inhibitors: bypassing the effects of efflux pumps and attenuating virulence factor secretion in MRSA and Bacillus anthracis. *Medicinal Chemistry Research*, **2021**, 30, 1341-1347	2.2	
350	Organic carbon monoxide prodrug, BW-CO-111, in protection against chemically-induced gastric mucosal damage. *Acta Pharmaceutica Sinica B*, **2021**, 11, 456-475	15.5	17
349	Nature's marvels endowed in gaseous molecules I: Carbon monoxide and its physiological and therapeutic roles. *Acta Pharmaceutica Sinica B*, **2021**, 11, 1434-1445	15.5	14
348	Redox and catalase-like activities of four widely used carbon monoxide releasing molecules (CO-RMs). *Chemical Science*, **2021**, 12, 13013-13020	9.4	8
347	Adapting decarbonylation chemistry for the development of prodrugs capable of delivery of carbon monoxide utilizing sweeteners as carrier molecules. *Chemical Science*, **2021**, 12, 10649-10654	9.4	8
346	Click, release, and fluoresce: In-vivo generation of CO with concomitant synthesis of a fluorescent reporter. *Bioorganic and Medicinal Chemistry*, **2021**, 44, 116297	3.4	1
345	"CO in a pill": Towards oral delivery of carbon monoxide for therapeutic applications. *Journal of Controlled Release*, **2021**, 338, 593-609	11.7	7
344	Nanoparticle encapsulation of non-genotoxic p53 activator Inauhzin-C for improved therapeutic efficacy. *Theranostics*, **2021**, 11, 7005-7017	12.1	
343	Inducing Apoptosis through Upregulation of p53: Structure-Activity Exploration of Anthraquinone Analogs. *Medicinal Chemistry Research*, **2020**, 29, 1199-1210	2.2	7
342	Anticancer strategies by upregulating p53 through inhibition of its ubiquitination by MDM2. *Medicinal Chemistry Research*, **2020**, 29, 1105-1121	2.2	8
341	Crotonylation at serine 46 impairs p53 activity. *Biochemical and Biophysical Research Communications*, **2020**, 524, 730-735	3.4	6
340	Prodrugs of Persulfides, Sulfur Dioxide, and Carbon Disulfide: Important Tools for Studying Sulfur Signaling at Various Oxidation States. *Antioxidants and Redox Signaling*, **2020**, 33, 1046-1059	8.4	7
339	Nitro reduction-based fluorescent probes for carbon monoxide require reactivity involving a ruthenium carbonyl moiety. *Chemical Communications*, **2020**, 56, 2190-2193	5.8	27
338	Synthesis and biological evaluation of novel 4-oxo-5-cyano thiouracil derivatives as SecA inhibitors. *Heterocyclic Communications*, **2020**, 26, 76-83	1.7	2

337	Upregulation of p53 through induction of MDM2 degradation: Amino acid prodrugs of anthraquinone analogs. *Bioorganic and Medicinal Chemistry Letters*, **2020**, 30, 126786	2.9	6
336	Carbon monoxide: An emerging therapy for acute kidney injury. *Medicinal Research Reviews*, **2020**, 40, 1147-1177	14.4	32
335	Role of Carbon Monoxide in Host-Gut Microbiome Communication. *Chemical Reviews*, **2020**, 120, 13273-13311	60.1	14
334	Towards "CO in a pill": Pharmacokinetic studies of carbon monoxide prodrugs in mice. *Journal of Controlled Release*, **2020**, 327, 174-185	11.7	13
333	Making smart drugs smarter: The importance of linker chemistry in targeted drug delivery. *Medicinal Research Reviews*, **2020**, 40, 2682-2713	14.4	14
332	The mechanisms of boronate ester formation and fluorescent turn-on in ortho-aminomethylphenylboronic acids. *Nature Chemistry*, **2019**, 11, 768-778	17.6	76
331	Click and Release: A High-Content Bioorthogonal Prodrug with Multiple Outputs. *Organic Letters*, **2019**, 21, 3649-3652	6.2	19
330	Click and release: bioorthogonal approaches to "on-demand" activation of prodrugs. *Chemical Society Reviews*, **2019**, 48, 1077-1094	58.5	117
329	Upregulation of p53 through induction of MDM2 degradation: Anthraquinone analogs. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 3860-3865	3.4	8
328	Esterase-Sensitive and pH-Controlled Carbon Monoxide Prodrugs for Treating Systemic Inflammation. *Journal of Medicinal Chemistry*, **2019**, 62, 3163-3168	8.3	38
327	Arylsulfonamide 64B Inhibits Hypoxia/HIF-Induced Expression of c-Met and CXCR4 and Reduces Primary Tumor Growth and Metastasis of Uveal Melanoma. *Clinical Cancer Research*, **2019**, 25, 2206-2218	12.9	29
326	Carbon monoxide protects the kidney through the central circadian clock and CD39. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E2302-E2310	11.5	39
325	Design, Synthesis, and Biological Evaluation of Pyrazoline-Based Hydroxamic Acid Derivatives as Aminopeptidase N (APN) Inhibitors. *ChemMedChem*, **2018**, 13, 431-436	3.7	8
324	Click, Release, and Fluoresce: A Chemical Strategy for a Cascade Prodrug System for Codelivery of Carbon Monoxide, a Drug Payload, and a Fluorescent Reporter. *Organic Letters*, **2018**, 20, 897-900	6.2	32
323	Inhibition of MDM2 by a Rhein-Derived Compound AQ-101 Suppresses Cancer Development in SCID Mice. *Molecular Cancer Therapeutics*, **2018**, 17, 497-507	6.1	17
322	Strategies to target the Hedgehog signaling pathway for cancer therapy. *Medicinal Research Reviews*, **2018**, 38, 870-913	14.4	64
321	Toward Hydrogen Sulfide Based Therapeutics: Critical Drug Delivery and Developability Issues. *Medicinal Research Reviews*, **2018**, 38, 57-100	14.4	90
320	SecA inhibitors as potential antimicrobial agents: differential actions on SecA-only and SecA-SecYEG protein-conducting channels. *FEMS Microbiology Letters*, **2018**, 365,	2.9	8

319	New strategies in achieving antiangiogenic effect: Multiplex inhibitors suppressing compensatory activations of RTKs. *Medicinal Research Reviews*, **2018**, 38, 1674-1705	14.4	14
318	Novel leucine ureido derivatives as aminopeptidase N inhibitors using click chemistry. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 3145-3157	3.4	7
317	Toward Direct Protein S-Persulfidation: A Prodrug Approach That Directly Delivers Hydrogen Persulfide. *Journal of the American Chemical Society*, **2018**, 140, 30-33	16.4	49
316	Organic CO Prodrugs Activated by Endogenous ROS. *Organic Letters*, **2018**, 20, 8-11	6.2	35
315	A highly selective and sensitive fluorescent probe for simultaneously distinguishing and sequentially detecting HS and various thiol species in solution and in live cells. *Chemical Communications*, **2018**, 54, 13252-13255	5.8	32
314	SO Donors and Prodrugs, and Their Possible Applications: A Review. *Frontiers in Chemistry*, **2018**, 6, 559	5	20
313	Esterase-Sensitive Glutathione Persulfide Donor. *Organic Letters*, **2018**, 20, 6364-6367	6.2	28
312	4-Iminooxazolidin-2-one as a Bioisostere of the Cyanohydrin Moiety: Inhibitors of Enterovirus 71 3C Protease. *Journal of Medicinal Chemistry*, **2018**, 61, 10333-10339	8.3	13
311	Biomarker-Based Metabolic Labeling for Redirected and Enhanced Immune Response. *ACS Chemical Biology*, **2018**, 13, 1686-1694	4.9	19
310	Enrichment-triggered prodrug activation demonstrated through mitochondria-targeted delivery of doxorubicin and carbon monoxide. *Nature Chemistry*, **2018**, 10, 787-794	17.6	137
309	Strategies toward Organic Carbon Monoxide Prodrugs. *Accounts of Chemical Research*, **2018**, 51, 1377-1385	18.3	82
308	Biphasic actions of SecA inhibitors on Prl/Sec suppressors: Possible physiological roles of SecA-only channels. *Biochemical and Biophysical Research Communications*, **2017**, 482, 296-300	3.4	1
307	Click and Fluoresce: A Bioorthogonally Activated Smart Probe for Wash-Free Fluorescent Labeling of Biomolecules. *Journal of Organic Chemistry*, **2017**, 82, 1471-1476	4.2	23
306	Click and Release: SO Prodrugs with Tunable Release Rates. *Organic Letters*, **2017**, 19, 818-821	6.2	22
305	Examining the structure-activity relationship of benzopyran-based inhibitors of the hypoxia inducible factor-1 pathway. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 1731-1736	2.9	7
304	Organic CO Prodrugs: Structure-CO-Release Rate Relationship Studies. *Chemistry - A European Journal*, **2017**, 23, 9838-9845	4.8	46
303	Boron-based small molecules in disease detection and treatment (2013–2016). *Heterocyclic Communications*, **2017**, 23, 137-153	1.7	5
302	Triazole-linked fluorescent bisboronic acid capable of selective recognition of the Lewis Y antigen. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 1983-1988	2.9	8

301	Synthesis of fluorescent bisboronic acid sensors and their recognition of mono-/oligo-saccharides. *Chinese Chemical Letters*, **2017**, 28, 1262-1267	8.1	7
300	Design, synthesis and antimicrobial activities of thiouracil derivatives containing triazolo-thiadiazole as SecA inhibitors. *European Journal of Medicinal Chemistry*, **2017**, 127, 159-165	6.8	17
299	Sulfur dioxide prodrugs: triggered release of SOvia a click reaction. *Chemical Communications*, **2017**, 53, 1370-1373	5.8	44
298	Design, synthesis and antibacterial activities of thiouracil derivatives containing acyl thiourea as SecA inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 2234-2237	2.9	19
297	Discovery of novel anti-angiogenesis agents. Part 8: Diaryl thiourea bearing 1H-indazole-3-amine as multi-target RTKs inhibitors. *European Journal of Medicinal Chemistry*, **2017**, 141, 373-385	6.8	20
296	Discovery of novel anti-angiogenesis agents. Part 7: Multitarget inhibitors of VEGFR-2, TIE-2 and EphB4. *European Journal of Medicinal Chemistry*, **2017**, 141, 506-518	6.8	13
295	A novel small-molecule arylsulfonamide causes energetic stress and suppresses breast and lung tumor growth and metastasis. *Oncotarget*, **2017**, 8, 99245-99260	3.3	7
294	An Esterase-Sensitive Prodrug Approach for Controllable Delivery of Persulfide Species. *Angewandte Chemie*, **2017**, 129, 11911-11915	3.6	15
293	An Esterase-Sensitive Prodrug Approach for Controllable Delivery of Persulfide Species. *Angewandte Chemie - International Edition*, **2017**, 56, 11749-11753	16.4	57
292	Toward carbon monoxide based therapeutics: carbon monoxide in a pill. *Pharmaceutical Patent Analyst*, **2017**, 6, 171-177	0.6	11
291	pH-Sensitive metal-free carbon monoxide prodrugs with tunable and predictable release rates. *Chemical Communications*, **2017**, 53, 9628-9631	5.8	40
290	Esterase-sensitive sulfur dioxide prodrugs inspired by modified Julia olefination. *Chemical Communications*, **2017**, 53, 10124-10127	5.8	23
289	Design and synthesis of benzopyran-based inhibitors of the hypoxia-inducible factor-1 pathway with improved water solubility. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2017**, 32, 992-1001	5.6	6
288	An esterase-activated click and release approach to metal-free CO-prodrugs. *Chemical Communications*, **2017**, 53, 8296-8299	5.8	45
287	Homing in on an intracellular target for delivery of loaded nanoparticles functionalized with a histone deacetylase inhibitor. *Oncotarget*, **2017**, 8, 68242-68251	3.3	4
286	Discovery and evaluation of triple inhibitors of VEGFR-2, TIE-2 and EphB4 as anti-angiogenic and anti-cancer agents. *Oncotarget*, **2017**, 8, 104745-104760	3.3	21
285	Inhibition and Dispersal of Pseudomonas aeruginosa Biofilms by Combination Treatment with Escapin Intermediate Products and Hydrogen Peroxide. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 5554-62	5.9	7
284	Design, Synthesis, and Antitumor Evaluation of 4-Amino-(1)-pyrazole Derivatives as JAKs Inhibitors. *ACS Medicinal Chemistry Letters*, **2016**, 7, 950-955	4.3	21

283	Click and Release: A Chemical Strategy toward Developing Gasotransmitter Prodrugs by Using an Intramolecular Diels–Alder Reaction. *Angewandte Chemie*, **2016**, 128, 16078-16083	3.6	13
282	Click and Release: A Chemical Strategy toward Developing Gasotransmitter Prodrugs by Using an Intramolecular Diels-Alder Reaction. *Angewandte Chemie - International Edition*, **2016**, 55, 15846-15851	16.4	95
281	Factors that Impact the Developability of Drug Candidates **2016**, 1-18		2
280	Prodrug Approaches to Drug Delivery **2016**, 227-271		6
279	Using Chemical Probes to Assess the Feasibility of Targeting SecA for Developing Antimicrobial Agents against Gram-Negative Bacteria. *ChemMedChem*, **2016**, 11, 2511-2521	3.7	10
278	Design, Synthesis and Evaluation of Triazole-Pyrimidine Analogues as SecA Inhibitors. *ChemMedChem*, **2016**, 11, 43-56	3.7	20
277	A metal-free turn-on fluorescent probe for the fast and sensitive detection of inorganic azides. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 1651-4	2.9	8
276	Tuning the reaction rates of fluoride probes for detection in aqueous solution. *RSC Advances*, **2016**, 6, 25242-25245	3.7	11
275	Discovery of novel small molecule inhibitors of lysine methyltransferase G9a and their mechanism in leukemia cell lines. *European Journal of Medicinal Chemistry*, **2016**, 122, 382-393	6.8	30
274	Esterase-Sensitive Prodrugs with Tunable Release Rates and Direct Generation of Hydrogen Sulfide. *Angewandte Chemie - International Edition*, **2016**, 55, 4514-8	16.4	118
273	Amiloride Analogs as ASIC1a Inhibitors. *CNS Neuroscience and Therapeutics*, **2016**, 22, 468-76	6.8	22
272	Esterase-Sensitive Prodrugs with Tunable Release Rates and Direct Generation of Hydrogen Sulfide. *Angewandte Chemie*, **2016**, 128, 4590-4594	3.6	26
271	Toward Carbon Monoxide-Based Therapeutics: Critical Drug Delivery and Developability Issues. *Journal of Pharmaceutical Sciences*, **2016**, 105, 406-416	3.9	109
270	Innentitelbild: Esterase-Sensitive Prodrugs with Tunable Release Rates and Direct Generation of Hydrogen Sulfide (Angew. Chem. 14/2016). *Angewandte Chemie*, **2016**, 128, 4444-4444	3.6	
269	Design, synthesis and preliminary biological evaluation of 4-aminopyrazole derivatives as novel and potent JAKs inhibitors. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 2660-72	3.4	6
268	Receptor-Mediated Drug Delivery **2016**, 451-474		2
267	Diallyl trisulfide protects against high glucose-induced cardiac apoptosis by stimulating the production of cystathionine gamma-lyase-derived hydrogen sulfide. *International Journal of Cardiology*, **2015**, 195, 300-10	3.2	54
266	Stereoselective Synthesis of 1-Methyl-3',4',5',6'-tetrahydrospiro[indoline-3,2'-pyran]-2-one Derivatives via Prins Cyclization. *Journal of Organic Chemistry*, **2015**, 80, 5457-63	4.2	23

265	Evaluation of small molecule SecA inhibitors against methicillin-resistant Staphylococcus aureus. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 7061-8	3.4	7
264	Hydrogen sulfide prodrugs-a review. *Acta Pharmaceutica Sinica B*, **2015**, 5, 367-77	15.5	76
263	Click with a boronic acid handle: a neighboring group-assisted click reaction that allows ready secondary functionalization. *Chemical Communications*, **2015**, 51, 15180-3	5.8	14
262	SecA: a potential antimicrobial target. *Future Medicinal Chemistry*, **2015**, 7, 989-1007	4.1	14
261	Post-synthesis DNA modifications using a trans-cyclooctene click handle. *Organic and Biomolecular Chemistry*, **2015**, 13, 909-15	3.9	26
260	Design, syntheses and evaluation of 4-oxo-5-cyano thiouracils as SecA inhibitors. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 105-17	3.4	18
259	A fluorescent bisboronic acid compound that selectively labels cells expressing oligosaccharide Lewis X. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 2501-4	2.9	7
258	Modified Nucleosides That Can Be Incorporated into DNA Enzymatically or in Live Cells. *Current Organic Chemistry*, **2015**, 19, 1011-1020	1.7	3
257	2,6-dansyl azide as a fluorescent probe for hydrogen sulfide. *Journal of Fluorescence*, **2014**, 24, 1-5	2.4	26
256	A fast and simple approach to the quantitative evaluation of fibrinogen coagulation. *Biotechnology Letters*, **2014**, 36, 337-40	3	4
255	Mechanisms of Rose Bengal inhibition on SecA ATPase and ion channel activities. *Biochemical and Biophysical Research Communications*, **2014**, 454, 308-12	3.4	10
254	A click-and-release approach to CO prodrugs. *Chemical Communications*, **2014**, 50, 15890-3	5.8	78
253	Redox-based selective fluorometric detection of homocysteine. *Chemical Communications*, **2014**, 50, 13668-71	5.8	27
252	3,6-Substituted-1,2,4,5-tetrazines: tuning reaction rates for staged labeling applications. *Organic and Biomolecular Chemistry*, **2014**, 12, 3950-5	3.9	42
251	High-performance liquid chromatographic enantioseparation of 3,5-disubstituted hydantoins analogs and temperature-induced reversals of elution orders on a polysaccharide-based chiral stationary phase. *Journal of Chromatography A*, **2014**, 1355, 291-5	4.5	9
250	Recent advances in thiol and sulfide reactive probes. *Journal of Cellular Biochemistry*, **2014**, 115, 1007-22	4.7	81
249	The Future of Boron in Medicinal Chemistry: Therapeutic and Diagnostic Applications. *Topics in Medicinal Chemistry*, **2014**, 1-27	0.4	6
248	SecAAA trimer is fully functional as SecAA dimer in the membrane: existence of higher oligomers?. *Biochemical and Biophysical Research Communications*, **2014**, 447, 250-4	3.4	4

247	A general and efficient entry to asymmetric tetrazines for click chemistry applications. *Heterocyclic Communications*, **2013**, 19,	1.7	6
246	Design, synthesis and biological evaluation of rose bengal analogues as SecA inhibitors. *ChemMedChem*, **2013**, 8, 1384-93	3.7	22
245	Synthesis, antimalarial activity and cytotoxic potential of new monocarbonyl analogues of curcumin. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 112-6	2.9	47
244	Fluorescent conjugate of sLe(x)-selective bisboronic acid for imaging application. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 6307-9	2.9	25
243	A fluorescent probe for rapid aqueous fluoride detection and cell imaging. *Chemical Communications*, **2013**, 49, 2494-6	5.8	99
242	Hypoxia inducible factor pathway inhibitors as anticancer therapeutics. *Future Medicinal Chemistry*, **2013**, 5, 553-72	4.1	93
241	Arylboronic acid chemistry under electrospray conditions. *Chemistry - A European Journal*, **2013**, 19, 7587-94	5.4	10
240	An unexpected copper catalyzed 'reduction' of an arylazide to amine through the formation of a nitrene intermediate. *Tetrahedron*, **2013**, 69, 5079-5085	2.4	19
239	Rapid and specific post-synthesis modification of DNA through a biocompatible condensation of 1,2-aminothiols with 2-cyanobenzothiazole. *Chemistry - A European Journal*, **2013**, 19, 4036-4042	4.8	19
238	Recent Advances in Fluorescent Probes for the Detection of Hydrogen Sulfide. *Current Organic Chemistry*, **2013**, 17, 641-653	1.7	37
237	Synthesis of Unsymmetrical C5-Curcuminoids as Potential Anticancer Agents. *Letters in Drug Design and Discovery*, **2013**, 11, 138-149	0.8	4
236	Probing the general time scale question of boronic acid binding with sugars in aqueous solution at physiological pH. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 2957-61	3.4	34
235	Novel AI-2 quorum sensing inhibitors in Vibrio harveyi identified through structure-based virtual screening. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 6413-7	2.9	22
234	A new boronic acid based fluorescent reporter for catechol. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 7179-82	2.9	20
233	Binding Model for the Interaction of Anticancer Arylsulfonamides with the p300 Transcription Cofactor. *ACS Medicinal Chemistry Letters*, **2012**, 3, 620-5	4.3	15
232	Clicking 1,2,4,5-tetrazine and cyclooctynes with tunable reaction rates. *Chemical Communications*, **2012**, 48, 1736-8	5.8	144
231	Organocatalytic aza-Michael-Michael cascade reactions: a flexible approach to 2,3,4-trisubstituted tetrahydroquinolines. *Chemistry - A European Journal*, **2012**, 18, 12958-61	4.8	56
230	A Novel Base-Promoted Cyclization: Synthesis of Substituted Benzo[b]furans. *RSC Advances*, **2012**, 2, 9403-9405	3.7	10

229	Carbohydrate biomarker recognition using synthetic lectin mimics. *Pure and Applied Chemistry*, **2012**, 84, 2479-2498	2.1	17
228	Arylboronic acids with strong fluorescence intensity changes upon sugar binding. *Heterocyclic Communications*, **2012**, 18,	1.7	5
227	Dual-Responsive Boronat-vernetzte Micellen f□den Wirkstofftransport. *Angewandte Chemie*, **2012** , 124, 5387-5389	3.6	2
226	Dual-responsive boronate crosslinked micelles for targeted drug delivery. *Angewandte Chemie - International Edition*, **2012**, 51, 5293-5	16.4	61
225	Fluorescein analogues inhibit SecA ATPase: the first sub-micromolar inhibitor of bacterial protein translocation. *ChemMedChem*, **2012**, 7, 571-7	3.7	27
224	Inside Back Cover: Fluorescein Analogues Inhibit SecA ATPase: The First Sub-micromolar Inhibitor of Bacterial Protein Translocation (ChemMedChem 4/2012). *ChemMedChem*, **2012**, 7, 744-744	3.7	
223	Thiol reactive probes and chemosensors. *Sensors*, **2012**, 12, 15907-46	3.8	223
222	A new boronic acid-based fluorescent sensor for L-dihydroxyphenylalanine. *Drug Discoveries and Therapeutics*, **2012**,	5	1
221	CYLD negatively regulates transforming growth factor-□signalling via deubiquitinating Akt. *Nature Communications*, **2012**, 3, 771	17.4	113
220	Density functional theory based quantitative structure-property relationship studies on coumarin-based prodrugs. *BioScience Trends*, **2012**, 6, 234-40	9.9	
219	Methods for the Detection of Gasotransmitters **2012**, 99-137		
218	SecA inhibitors: next generation antimicrobials. *Journal of Chinese Pharmaceutical Sciences*, **2012**, 21,	1.6	6
217	Applications of Boronic Acids in Chemical Biology and Medicinal Chemistry **2011**, 591-620		7
216	Facile derivatization of azide ions using click chemistry for their sensitive detection with LC-MS. *Chemical Communications*, **2011**, 47, 10377-9	5.8	16
215	Design and synthesis of novel small-molecule inhibitors of the hypoxia inducible factor pathway. *Journal of Medicinal Chemistry*, **2011**, 54, 8471-89	8.3	39
214	Fibrinogen clot induced by gold-nanoparticle in vitro. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 74-81	1.3	9
213	Sulfonamides as a new scaffold for hypoxia inducible factor pathway inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 5528-32	2.9	32
212	Design, synthesis, and polymerase-catalyzed incorporation of click-modified boronic acid-TTP analogues. *Chemistry - an Asian Journal*, **2011**, 6, 2747-52	4.5	15

211	MALDI tissue imaging: from biomarker discovery to clinical applications. *Analytical and Bioanalytical Chemistry*, **2011**, 401, 17-27	4.4	80
210	HIF-1 inhibitors as anti-cancer therapy. *Science China Chemistry*, **2011**, 54, 24-30	7.9	5
209	Van Der Waals Interactions and the Hydrophobic Effect **2011**, 3-18		12
208	Aptamer Selection, Phage Display, and Sensor Development **2011**, 191-209		
207	Sensor Development Using Existing Scaffolds **2011**, 211-226		3
206	Fluorescent Detection Principles and Strategies **2011**, 229-252		9
205	New Fluorophore Design **2011**, 253-273		
204	Colorimetric Sensor Design **2011**, 275-295		11
203	Electrochemical Detection **2011**, 297-328		1
202	Surface Plasmon Resonance and Quartz Crystal Microbalance Methods for Detection of Molecular Interactions **2011**, 329-344		1
201	Array-Based Sensors **2011**, 345-368		7
200	Design of Cation-Selective Synthetic Fluorescent Indicators **2011**, 371-394		
199	Anion Sensors **2011**, 395-427		4
198	Ionic, Hydrogen Bond, and □ation Interactions **2011**, 19-24		
197	Chemosensors: Case Studies of Indicators for Organic Molecules **2011**, 429-453		1
196	Molecular Recognition Elements for Toxin and Pathogen Detection **2011**, 455-474		
195	Chemical Sensing and Detection in Forensic Science **2011**, 475-496		1
194	Covalent Interactions in Chemosensor Design **2011**, 25-40		1

193	Metal Chelation Chemistry **2011**, 41-64		2
192	Scaffold Design Using Computational Chemistry **2011**, 69-85		
191	Combinatorial Search of Sensors **2011**, 87-106		
190	Molecular Imprinting and Sensor Development **2011**, 107-120		3
189	Dendrimer-Based Sensors **2011**, 121-162		1
188	Nanoparticles and Sensors **2011**, 163-190		
187	Wiley Series in Drug Discovery and Development **2011**, 499-500		
186	Novel rhein analogues as potential anticancer agents. *ChemMedChem*, **2011**, 6, 2294-301	3.7	26
185	A Fluorescent Probe for Fast and Quantitative Detection of Hydrogen Sulfide in Blood. *Angewandte Chemie*, **2011**, 123, 9846-9849	3.6	65
184	A fluorescent probe for fast and quantitative detection of hydrogen sulfide in blood. *Angewandte Chemie - International Edition*, **2011**, 50, 9672-5	16.4	517
183	Using boronolectin in MALDI-MS imaging for the histological analysis of cancer tissue expressing the sialyl Lewis X antigen. *Chemical Communications*, **2011**, 47, 10338-40	5.8	34
182	The first chemical synthesis of boronic acid-modified DNA through a copper-free click reaction. *Chemical Communications*, **2011**, 47, 3598-600	5.8	19
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