

Seung Bum Park

List of Publications by Citations

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184
papers

6,857
citations

44
h-index

76
g-index

216
ext. papers

7,677
ext. citations

6.7
avg, IF

5.96
L-index

#	Paper	IF	Citations
184	Bioinspired polymerization of dopamine to generate melanin-like nanoparticles having an excellent free-radical-scavenging property. <i>Biomacromolecules</i> , 2011 , 12, 625-32	6.9	532
183	Toxicity and tissue distribution of magnetic nanoparticles in mice. <i>Toxicological Sciences</i> , 2006 , 89, 338-47	4.4	471
182	Specific targeting, cell sorting, and bioimaging with smart magnetic silica core-shell nanomaterials. <i>Small</i> , 2006 , 2, 209-15	11	278
181	A practical procedure for producing silver nanocoated fabric and its antibacterial evaluation for biomedical applications. <i>Chemical Communications</i> , 2007 , 2959-61	5.8	275
180	Privileged structures: efficient chemical "navigators" toward unexplored biologically relevant chemical spaces. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14629-38	16.4	189
179	Fluorescent probe for detection of fluoride in water and bioimaging in A549 human lung carcinoma cells. <i>Chemical Communications</i> , 2009 , 4735-7	5.8	183
178	Discovery, understanding, and bioapplication of organic fluorophore: a case study with an indolizine-based novel fluorophore, Seoul-Fluor. <i>Accounts of Chemical Research</i> , 2015 , 48, 538-47	24.3	169
177	Cellular uptake of magnetic nanoparticle is mediated through energy-dependent endocytosis in A549 cells. <i>Journal of Veterinary Science</i> , 2006 , 7, 321-6	1.6	154
176	Emission wavelength prediction of a full-color-tunable fluorescent core skeleton, 9-aryl-1,2-dihydropyrrolo[3,4-b]indolizin-3-one. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6642-9	16.4	146
175	Lipid-overloaded enlarged adipocytes provoke insulin resistance independent of inflammation. <i>Molecular and Cellular Biology</i> , 2015 , 35, 1686-99	4.8	138
174	A design strategy for drug-like polyheterocycles with privileged substructures for discovery of specific small-molecule modulators. <i>Chemical Communications</i> , 2011 , 47, 12754-61	5.8	127
173	Combinatorial discovery of full-color-tunable emissive fluorescent probes using a single core skeleton, 1,2-dihydropyrrolo[3,4-beta]indolizin-3-one. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12206-7	16.4	121
172	Bio-inspired, melanin-like nanoparticles as a highly efficient contrast agent for T1-weighted magnetic resonance imaging. <i>Biomacromolecules</i> , 2013 , 14, 3491-7	6.9	117
171	A robust small-molecule microarray platform for screening cell lysates. <i>Chemistry and Biology</i> , 2006 , 13, 493-504		114
170	Chemistry as a prism: a review of light-emitting materials having tunable emission wavelengths. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 1646-58	4.5	113
169	Skeletal diversity via a branched pathway: efficient synthesis of 29 400 discrete, polycyclic compounds and their arraying into stock solutions. <i>Journal of the American Chemical Society</i> , 2002 , 124, 13402-4	16.4	112
168	Inverse agonist of estrogen-related receptor α controls <i>Salmonella typhimurium</i> infection by modulating host iron homeostasis. <i>Nature Medicine</i> , 2014 , 20, 419-24	50.5	102

167	Orphan nuclear receptor estrogen-related receptor (ERR) is key regulator of hepatic gluconeogenesis. <i>Journal of Biological Chemistry</i> , 2012 , 287, 21628-39	5.4	90
166	Expanding the functional group compatibility of small-molecule microarrays: discovery of novel calmodulin ligands. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 2376-9	16.4	83
165	A small molecule binding HMGB1 and HMGB2 inhibits microglia-mediated neuroinflammation. <i>Nature Chemical Biology</i> , 2014 , 10, 1055-60	11.7	76
164	A Seoul-Fluor-based bioprobe for lipid droplets and its application in image-based high throughput screening. <i>Chemical Communications</i> , 2012 , 48, 2331-3	5.8	73
163	An efficient one-step synthesis of heterobiaryl pyrazolo[3,4-b]pyridines via indole ring opening. <i>Organic Letters</i> , 2009 , 11, 5214-7	6.2	72
162	Diversity-oriented synthesis of privileged benzopyranyl heterocycles from s-cis-enones. <i>Journal of Organic Chemistry</i> , 2008 , 73, 1752-61	4.2	68
161	Monochromophoric Design Strategy for Tetrazine-Based Colorful Bioorthogonal Probes with a Single Fluorescent Core Skeleton. <i>Journal of the American Chemical Society</i> , 2018 , 140, 974-983	16.4	65
160	Development of a cy3-labeled glucose bioprobe and its application in bioimaging and screening for anticancer agents. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2018-22	16.4	63
159	A novel non-agonist peroxisome proliferator-activated receptor (PPAR) ligand UHC1 blocks PPAR phosphorylation by cyclin-dependent kinase 5 (CDK5) and improves insulin sensitivity. <i>Journal of Biological Chemistry</i> , 2014 , 289, 26618-26629	5.4	62
158	Discovery and target identification of an antiproliferative agent in live cells using fluorescence difference in two-dimensional gel electrophoresis. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5447-51	16.4	60
157	PPAR Antagonist Gleevec Improves Insulin Sensitivity and Promotes the Browning of White Adipose Tissue. <i>Diabetes</i> , 2016 , 65, 829-39	0.9	59
156	Estrogen-related receptor (ERR) is a novel transcriptional regulator of phosphatidic acid phosphatase, LIPIN1, and inhibits hepatic insulin signaling. <i>Journal of Biological Chemistry</i> , 2011 , 286, 38035-38042	5.4	58
155	Rational perturbation of the fluorescence quantum yield in emission-tunable and predictable fluorophores (Seoul-Fluors) by a facile synthetic method involving C-H activation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1346-50	16.4	57
154	Regioselective synthesis of tetrasubstituted pyrroles by 1,3-dipolar cycloaddition and spontaneous decarboxylation. <i>Organic Letters</i> , 2009 , 11, 17-20	6.2	56
153	Concise and diversity-oriented synthesis of novel scaffolds embedded with privileged benzopyran motif. <i>Chemical Communications</i> , 2006 , 2962-4	5.8	55
152	Antitumor activity of HM781-36B, a highly effective pan-HER inhibitor in erlotinib-resistant NSCLC and other EGFR-dependent cancer models. <i>International Journal of Cancer</i> , 2012 , 130, 2445-54	7.5	54
151	Transcriptional corepressor SMILE recruits SIRT1 to inhibit nuclear receptor estrogen receptor-related receptor gamma transactivation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 28762-74	5.4	54
150	Investigation of Specific Binding Proteins to Photoaffinity Linkers for Efficient Deconvolution of Target Protein. <i>ACS Chemical Biology</i> , 2016 , 11, 44-52	4.9	52

149	Inverse agonist of nuclear receptor ERR α mediates antidiabetic effect through inhibition of hepatic gluconeogenesis. <i>Diabetes</i> , 2013 , 62, 3093-102	0.9	52
148	Estrogen-related receptor β controls hepatic CB1 receptor-mediated CYP2E1 expression and oxidative liver injury by alcohol. <i>Gut</i> , 2013 , 62, 1044-54	19.2	50
147	Hypoxia induces PDK4 gene expression through induction of the orphan nuclear receptor ERR α . <i>PLoS ONE</i> , 2012 , 7, e46324	3.7	49
146	Construction of a polyheterocyclic benzopyran library with diverse core skeletons through diversity-oriented synthesis pathway. <i>ACS Combinatorial Science</i> , 2010 , 12, 548-58		48
145	Novel application of Leuckart-Wallach reaction for synthesis of tetrahydro-1,4-benzodiazepin-5-ones library. <i>Chemical Communications</i> , 2007 , 3714-6	5.8	47
144	Biomimetic asymmetric total synthesis of (-)-laurefucin via an organoselenium-mediated intramolecular hydroxyetherification. <i>Journal of the American Chemical Society</i> , 2008 , 130, 16807-11	16.4	46
143	A two-photon tracer for glucose uptake. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8027-31	16.4	45
142	Synthesis and in vitro photodynamic activities of water-soluble fluorinated tetrapyrrolylporphyrins as tumor photosensitizers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 2789-94	2.9	44
141	Solid-phase parallel synthesis of natural product-like diaza-bridged heterocycles through Pictet-Spengler intramolecular cyclization. <i>ACS Combinatorial Science</i> , 2006 , 8, 50-7		44
140	Development of fluorescent glucose bioprobes and their application on real-time and quantitative monitoring of glucose uptake in living cells. <i>Chemistry - A European Journal</i> , 2011 , 17, 143-50	4.8	42
139	Structural Basis for the Enhanced Anti-Diabetic Efficacy of Lofeglitazone on PPAR α . <i>Scientific Reports</i> , 2018 , 8, 31	4.9	41
138	Practical solid-phase parallel synthesis of Delta(5)-2-oxopiperazines via N-acyliminium ion cyclization. <i>ACS Combinatorial Science</i> , 2007 , 9, 828-35		35
137	Discovery of a Small-Molecule Inhibitor of Protein-MicroRNA Interaction Using Binding Assay with a Site-Specifically Labeled Lin28. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13630-13638	16.4	35
136	Estrogen-related receptor gamma induces cardiac hypertrophy by activating GATA4. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 65, 88-97	5.8	34
135	Discovery of a novel Her-1/Her-2 dual tyrosine kinase inhibitor for the treatment of Her-1 selective inhibitor-resistant non-small cell lung cancer. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 6880-8	8.3	34
134	Diversity-oriented synthetic strategy for developing a chemical modulator of protein-protein interaction. <i>Nature Communications</i> , 2016 , 7, 13196	17.4	33
133	A Brief Overview of Two Major Strategies in Diversity-Oriented Synthesis: Build/Couple/Pair and Ring-Distortion. <i>Frontiers in Chemistry</i> , 2018 , 6, 507	5	33
132	Antidiabetic and antiobesity effects of Ampkinone (6f), a novel small molecule activator of AMP-activated protein kinase. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 7405-13	8.3	32

131	Diastereoselective synthesis of polycyclic acetal-fused pyrano[3,2-c]pyran-5(2H)-one derivatives. <i>Journal of Organic Chemistry</i> , 2009 , 74, 2171-4	4.2	31
130	Abc amino acids: design, synthesis, and properties of new photoelastic amino acids. <i>Journal of Organic Chemistry</i> , 2006 , 71, 7952-66	4.2	30
129	Structural basis for differential activities of enantiomeric PPAR α agonists: Binding of S35 to the alternate site. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017 , 1865, 674-681	4	29
128	Privileged substructure-based diversity-oriented synthesis pathway for diverse pyrimidine-embedded polyheterocycles. <i>Organic Letters</i> , 2013 , 15, 5814-7	6.2	29
127	An improved synthesis of pyrimidine- and pyrazole-based acyclo-C-nucleosides as carbohybrids. <i>Tetrahedron Letters</i> , 2008 , 49, 5080-5083	2	29
126	Study of the characteristics of three high-energy intermediates generated in peroxyoxalate chemiluminescence (PO-CL) reactions. <i>Perkin Transactions II RSC</i> , 2002 , 802-809		29
125	Mechanistic elucidation guided by covalent inhibitors for the development of anti-diabetic PPAR α ligands. <i>Chemical Science</i> , 2016 , 7, 5523-5529	9.4	29
124	BOIMPY: Fluorescent Boron Complexes with Tunable and Environment-Responsive Light-Emitting Properties. <i>Chemistry - A European Journal</i> , 2016 , 22, 17321-17328	4.8	28
123	Photochemical generation of a new, highly fluorescent compound from non-fluorescent resveratrol. <i>Chemical Communications</i> , 2012 , 48, 3839-41	5.8	28
122	Ethanol and reactive species increase basal sequence heterogeneity of hepatitis C virus and produce variants with reduced susceptibility to antivirals. <i>PLoS ONE</i> , 2011 , 6, e27436	3.7	28
121	Discovery of novel benzopyranyl tetracycles that act as inhibitors of osteoclastogenesis induced by receptor activator of NF- κ B ligand. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 8760-4	8.3	28
120	Efficient parallel synthesis of privileged benzopyranylpyrazoles via regioselective condensation of beta-keto aldehydes with hydrazines. <i>ACS Combinatorial Science</i> , 2009 , 11, 315-26		28
119	Discovery of carbohybrid-based 2-aminopyrimidine analogues as a new class of rapid-acting antimalarial agents using image-based cytological profiling assay. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 7425-34	8.3	27
118	Efficient discovery of selective small molecule agonists of estrogen-related receptor gamma using combinatorial approach. <i>ACS Combinatorial Science</i> , 2009 , 11, 928-37		27
117	From noncovalent to covalent bonds: a paradigm shift in target protein identification. <i>Molecular BioSystems</i> , 2013 , 9, 544-50		26
116	Natural polyphenols antagonize the antimyeloma activity of proteasome inhibitor bortezomib by direct chemical interaction. <i>British Journal of Haematology</i> , 2009 , 146, 270-81	4.5	26
115	A newly identified CG301269 improves lipid and glucose metabolism without body weight gain through activation of peroxisome proliferator-activated receptor alpha and gamma. <i>Diabetes</i> , 2011 , 60, 496-506	0.9	26
114	A novel small-molecule agonist of PPAR δ potentiates an anti-inflammatory M2 glial phenotype. <i>Neuropharmacology</i> , 2016 , 109, 159-169	5.5	25

113	Impact of molecular charge on GLUT-specific cellular uptake of glucose bioprobes and in vivo application of the glucose bioprobe, GB2-Cy3. <i>Chemical Communications</i> , 2014 , 50, 9251-4	5.8	25
112	Label-free target identification using in-gel fluorescence difference thermal stability shift. <i>Chemical Science</i> , 2017 , 8, 1127-1133	9.4	25
111	Optimization of Seoul-Fluor-based lipid droplet bioprobes and their application in microalgae for bio-fuel study. <i>Molecular BioSystems</i> , 2013 , 9, 952-6		24
110	Synthesis and biological evaluation of pyrimidine-based dual inhibitors of human epidermal growth factor receptor 1 (HER-1) and HER-2 tyrosine kinases. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 2846-57	8.3	24
109	Highly selective fluorescence turn-on probe for glutathione. <i>Tetrahedron Letters</i> , 2011 , 52, 3902-3904	2	24
108	Crystal structure of Tpa1 from <i>Saccharomyces cerevisiae</i> , a component of the messenger ribonucleoprotein complex. <i>Nucleic Acids Research</i> , 2010 , 38, 2099-110	20.1	23
107	Preparation of pilot library with tetrahydro- β -carboline alkaloid core skeleton using tandem intramolecular Pictet-Spengler cyclization. <i>Tetrahedron Letters</i> , 2006 , 47, 6843-6847	2	23
106	Anti-inflammatory effects of β -galactosylceramide analogs in activated microglia: involvement of the p38 MAPK signaling pathway. <i>PLoS ONE</i> , 2014 , 9, e87030	3.7	22
105	Construction of polyheterocyclic benzopyran library with diverse core skeletons through diversity-oriented synthesis pathway: part II. <i>ACS Combinatorial Science</i> , 2012 , 14, 124-34	3.9	22
104	Treatment of Sepsis Pathogenesis with High Mobility Group Box Protein 1-Regulating Anti-inflammatory Agents. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 170-179	8.3	21
103	9-Aryl-1,2-dihydropyrrolo[3,4-b]indolizin-3-one (Seoul-Fluor) as a smart platform for colorful ratiometric fluorescent pH sensors. <i>Chemical Communications</i> , 2011 , 47, 7734-6	5.8	21
102	Facile and efficient synthesis of carbohybrids as stereodivergent druglike small molecules. <i>Journal of Organic Chemistry</i> , 2008 , 73, 3270-3	4.2	21
101	Label-free target identification in drug discovery via phenotypic screening. <i>Current Opinion in Chemical Biology</i> , 2019 , 50, 66-72	9.7	20
100	Nonspecific protein labeling of photoaffinity linkers correlates with their molecular shapes in living cells. <i>Chemical Communications</i> , 2016 , 52, 5828-31	5.8	20
99	Development of a benzopyran-containing androgen receptor antagonist to treat antiandrogen-resistant prostate cancer. <i>ChemMedChem</i> , 2010 , 5, 529-33	3.7	20
98	A synthetic route to highly substituted 1,2,3,4-tetrahydroisoquinolines via Yb(OTf) ₃ -catalyzed diastereoselective ring opening of bridged oxazolidines: asymmetric synthesis of 2-azapodophyllotoxin. <i>Chemistry - A European Journal</i> , 2011 , 17, 4905-13	4.8	19
97	A pyrazolo[1,5-a]pyridine-fused pyrimidine based novel fluorophore and its bioapplication to probing lipid droplets. <i>Chemical Communications</i> , 2016 , 52, 7822-5	5.8	19
96	Rational Perturbation of the Fluorescence Quantum Yield in Emission-Tunable and Predictable Fluorophores (Seoul-Fluors) by a Facile Synthetic Method Involving C-H Activation. <i>Angewandte Chemie</i> , 2014 , 126, 1370-1374	3.6	18

95	A selective Seoul-Fluor-based bioprobe, SFBP, for vaccinia H1-related phosphatase--a dual-specific protein tyrosine phosphatase. <i>Chemical Communications</i> , 2012 , 48, 6553-5	5.8	18
94	Discovery of autophagy modulators through the construction of a high-content screening platform via monitoring of lipid droplets. <i>Chemical Science</i> , 2013 , 4, 3282	9.4	18
93	Anti-obesity agents: a focused review on the structural classification of therapeutic entities. <i>Current Topics in Medicinal Chemistry</i> , 2009 , 9, 466-81	3	18
92	Orthogonal Regioselective Synthesis of N-Alkyl-3-substituted Tetrahydroindazolones. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 3815-3822	3.2	18
91	Orphan nuclear receptor oestrogen-related receptor α (ERR α) plays a key role in hepatic cannabinoid receptor type 1-mediated induction of CYP7A1 gene expression. <i>Biochemical Journal</i> , 2015 , 470, 181-93	3.8	17
90	A potent small-molecule inducer of chondrogenic differentiation of human bone marrow-derived mesenchymal stem cells. <i>Chemical Science</i> , 2012 , 3, 3071	9.4	17
89	Surface modification for small-molecule microarrays and its application to the discovery of a tyrosinase inhibitor. <i>Molecular BioSystems</i> , 2011 , 7, 304-10		17
88	Recent advances in identifying protein targets in drug discovery. <i>Cell Chemical Biology</i> , 2021 , 28, 394-423.2	3.2	17
87	Phenotypic screening to identify small-molecule enhancers for glucose uptake: target identification and rational optimization of their efficacy. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5102-6	16.4	16
86	Family-selective detection of antibiotics using antibody-functionalized carbon nanotube sensors. <i>Sensors and Actuators B: Chemical</i> , 2012 , 166-167, 193-199	8.5	16
85	Enhanced efficacy of 7-hydroxy-3-methoxycadalene via glycosylation in in vivo xenograft study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 6335-9	2.9	16
84	Rational Improvement of Molar Absorptivity Guided by Oscillator Strength: A Case Study with Furoindolizine-Based Core Skeleton. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15689-93	16.4	15
83	Discovery of a novel benzopyranyl compound as a potent in vitro and in vivo osteogenic agent. <i>MedChemComm</i> , 2011 , 2, 76-80	5	15
82	α -Difluorophosphonomethyl azobenzene derivatives as photo-regulated phosphoamino acid analogs. 1. Design and synthesis. <i>Tetrahedron Letters</i> , 1999 , 40, 6557-6560	2	15
81	Exploiting the mechanism of cellular glucose uptake to develop an image-based high-throughput screening system in living cells. <i>Chemical Communications</i> , 2013 , 49, 5138-40	5.8	14
80	Repeated aerosol delivery of carboxyl-terminal modulator protein suppresses tumor in the lungs of K-rasLA1 mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 179, 1131-40	10.2	14
79	Label-free target identification reveals oxidative DNA damage as the mechanism of a selective cytotoxic agent. <i>Chemical Science</i> , 2019 , 10, 3449-3458	9.4	14
78	Near-IR Fluorescent Tracer for Glucose-Uptake Monitoring in Live Cells. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3394-3401	6.3	14

77	A divergent synthetic pathway for pyrimidine-embedded medium-sized azacycles through an N-quaternizing strategy. <i>Chemical Science</i> , 2019 , 10, 569-575	9.4	13
76	Synthesis and library construction of privileged tetra-substituted β -2-oxopiperazine as β turn structure mimetics. <i>ACS Combinatorial Science</i> , 2014 , 16, 24-32	3.9	13
75	De novo analysis of protein N-terminal sequence utilizing MALDI signal enhancing derivatization with Br signature. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 1911-9	4.4	13
74	Discovery and Target Identification of an Antiproliferative Agent in Live Cells Using Fluorescence Difference in Two-Dimensional Gel Electrophoresis. <i>Angewandte Chemie</i> , 2012 , 124, 5543-5547	3.6	13
73	Lentiviral vector-mediated shRNA against AIMP2-DX2 suppresses lung cancer cell growth through blocking glucose uptake. <i>Molecules and Cells</i> , 2012 , 33, 553-62	3.5	13
72	Restoring Let-7 microRNA Biogenesis Using a Small-Molecule Inhibitor of the Protein-RNA Interaction. <i>ACS Medicinal Chemistry Letters</i> , 2018 , 9, 1181-1185	4.3	13
71	Development of fluorescent mitochondria probe based on 1,2-dihydropyrrolo[3,4-b]indolizine-3-one. <i>Dyes and Pigments</i> , 2017 , 145, 461-468	4.6	12
70	Colorimetric and orange light-emitting fluorescent probe for pyrophosphate in water. <i>Tetrahedron Letters</i> , 2012 , 53, 5528-5530	2	12
69	Discovery of New Fluorescent Dyes: Targeted Synthesis or Combinatorial Approach?. <i>Springer Series on Fluorescence</i> , 2010 , 149-186	0.5	12
68	Expanding the Functional Group Compatibility of Small-Molecule Microarrays: Discovery of Novel Calmodulin Ligands. <i>Angewandte Chemie</i> , 2003 , 115, 2478-2481	3.6	12
67	Host immunomodulatory lipids created by symbionts from dietary amino acids. <i>Nature</i> , 2021 , 600, 302-307	9.4	12
66	Heteroaromatic Moieties in the Sphingosine Backbone of β Galactosylceramides for Noncovalent Interactions with CD1d. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 151-4	4.3	11
65	Synthesis of 3,5-Disubstituted Isoxazoles Containing Privileged Substructures with a Diverse Display of Polar Surface Area. <i>ACS Combinatorial Science</i> , 2017 , 19, 407-413	3.9	10
64	High mobility group box 1 secretion blockade results in the reduction of early pancreatic islet graft loss. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 514, 1081-1086	3.4	10
63	Synthesis and biological evaluation of β galactosylceramide analogues with heteroaromatic rings and varying positions of a phenyl group in the sphingosine backbone. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 7100-9	8.3	10
62	Intravital longitudinal imaging of hepatic lipid droplet accumulation in a murine model for nonalcoholic fatty liver disease. <i>Biomedical Optics Express</i> , 2020 , 11, 5132-5146	3.5	10
61	Unique photophysical properties of 9-styryl-1,2-dihydropyrrolo[3,4-b]indolizine-3-one and its efficient synthesis via direct C-H activation. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 5202-8	3.9	9
60	The O-glycosylation mutant osteopontin alters lung cancer cell growth and migration in vitro and in vivo. <i>International Journal of Molecular Medicine</i> , 2013 , 32, 1137-49	4.4	9

59	Computer-aided design and synthesis of tetra-aryl-substituted alkenes and their bioevaluation as a selective modulator of estrogen-related receptor \square <i>Molecular Diversity</i> , 2011 , 15, 69-81	3.1	9
58	Gold-Catalyzed Unexpected Ring Transformation of Pyrimidodiazepine Derivatives. <i>Organic Letters</i> , 2017 , 19, 344-347	6.2	8
57	Development of Azo-Based Turn-On Chemical Array System for Hydrazine Detection with Fluorescence Pattern Analysis. <i>ACS Omega</i> , 2019 , 4, 14875-14885	3.9	8
56	Regioselective construction and screening of 1,3-disubstituted tetrahydroindazolones in enantiomerically pure pairs. <i>ACS Combinatorial Science</i> , 2012 , 14, 66-74	3.9	8
55	Quantitative evaluation of HiCore resin for the nonspecific binding of proteins by on-bead colorimetric assay. <i>ACS Combinatorial Science</i> , 2006 , 8, 280-5		8
54	Discovery of Small-Molecule Modulators of Protein-RNA Interactions by Fluorescence Intensity-Based Binding Assay. <i>ChemBioChem</i> , 2020 , 21, 818-824	3.8	8
53	A high-content screening platform with fluorescent chemical probes for the discovery of first-in-class therapeutics. <i>Chemical Communications</i> , 2016 , 52, 7433-45	5.8	8
52	Readily Accessible and Predictable Naphthalene-Based Two-Photon Fluorophore with Full Visible-Color Coverage. <i>Chemistry - A European Journal</i> , 2016 , 22, 14166-70	4.8	8
51	Structural basis for the inhibitory effects of a novel reversible covalent ligand on PPAR \square phosphorylation. <i>Scientific Reports</i> , 2019 , 9, 11168	4.9	7
50	Total synthesis of eryvarin H and its derivatives and their biological activity as ERR \square inverse agonist. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 5782-6	3.9	7
49	Rational Design and Synthesis of Reversible Covalent PPAR \square Antagonistic Ligands Inhibiting Ser273 Phosphorylation. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 1698-1706	3	7
48	Recent advances in the development of covalent inhibitors. <i>RSC Medicinal Chemistry</i> , 2021 , 12, 1037-1045	5.5	7
47	Development of EGaCer Analogues with an FFluorocarbonyl Moiety as Th2-Selective Ligands of CD1d. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 773-779	4.3	6
46	Fluorescent chemosensor for biological zinc ions. <i>Supramolecular Chemistry</i> , 2013 , 25, 2-6	1.8	6
45	Synthesis of molecular frameworks containing two distinct heterocycles connected in a single molecule with enhanced three-dimensional shape diversity. <i>Chemistry - A European Journal</i> , 2013 , 19, 7100-8	4.8	6
44	Ratiometric analysis of zidovudine (ZDV) incorporation by reverse transcriptases or polymerases via bio-orthogonal click chemistry. <i>Chemical Communications</i> , 2011 , 47, 7614-6	5.8	6
43	Polo-like kinase 2 gene expression is regulated by the orphan nuclear receptor estrogen receptor-related receptor gamma (ERR \square gamma). <i>Biochemical and Biophysical Research Communications</i> , 2007 , 362, 107-113	3.4	6
42	Simple mimetics of a nuclear localization signal (NLS). <i>Organic Letters</i> , 2003 , 5, 2437-40	6.2	6

41	A photoregulated ligand for the nuclear import receptor karyopherin alpha. <i>Bioorganic and Medicinal Chemistry</i> , 2001 , 9, 3215-23	3.4	6
40	Two-Photon and Multicolor Fluorogenic Bioorthogonal Probes Based on Tetrazine-Conjugated Naphthalene Fluorophores. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1545-1550	6.3	6
39	Phenotypic Discovery of Neuroprotective Agents by Regulation of Tau Proteostasis via Stress-Responsive Activation of PERK Signaling. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1831-1838	16.4	6
38	Diverse display of non-covalent interacting elements using pyrimidine-embedded polyheterocycles. <i>Chemical Communications</i> , 2015 , 51, 13040-3	5.8	5
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