

Kevin N Dalby

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2046690/kevin-n-dalby-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

141
papers

7,590
citations

34
h-index

85
g-index

154
ext. papers

8,591
ext. citations

5.4
avg, IF

5.22
L-index

#	Paper	IF	Citations
141	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
140	Targeting the prodeath and prosurvival functions of autophagy as novel therapeutic strategies in cancer. <i>Autophagy</i> , 2010 , 6, 322-9	10.2	361
139	Identification of regulatory phosphorylation sites in mitogen-activated protein kinase (MAPK)-activated protein kinase-1a/p90rsk that are inducible by MAPK. <i>Journal of Biological Chemistry</i> , 1998 , 273, 1496-505	5.4	292
138	Construction of human activity-based phosphorylation networks. <i>Molecular Systems Biology</i> , 2013 , 9, 655	12.2	134
137	Virtual screening using molecular simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011 , 79, 1940-51	4.2	128
136	Substrate discrimination among mitogen-activated protein kinases through distinct docking sequence motifs. <i>Journal of Biological Chemistry</i> , 2008 , 283, 19511-20	5.4	115
135	Comparison of the specificities of p70 S6 kinase and MAPKAP kinase-1 identifies a relatively specific substrate for p70 S6 kinase: the N-terminal kinase domain of MAPKAP kinase-1 is essential for peptide phosphorylation. <i>FEBS Letters</i> , 1995 , 375, 289-93	3.8	107
134	Targeted silencing of elongation factor 2 kinase suppresses growth and sensitizes tumors to doxorubicin in an orthotopic model of breast cancer. <i>PLoS ONE</i> , 2012 , 7, e41171	3.7	84
133	Tinker-OpenMM: Absolute and relative alchemical free energies using AMOEBA on GPUs. <i>Journal of Computational Chemistry</i> , 2017 , 38, 2047-2055	3.5	70
132	The effect of arrestin conformation on the recruitment of c-Raf1, MEK1, and ERK1/2 activation. <i>PLoS ONE</i> , 2011 , 6, e28723	3.7	69
131	Modeling organochlorine compounds and the Ehole effect using a polarizable multipole force field. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 6456-65	3.4	65
130	193-nm photodissociation of singly and multiply charged peptide anions for acidic proteome characterization. <i>Proteomics</i> , 2011 , 11, 1329-34	4.8	64
129	Dopamine depletion and subsequent treatment with L-DOPA, but not the long-lived dopamine agonist pergolide, enhances activity of the Akt pathway in the rat striatum. <i>Journal of Neurochemistry</i> , 2007 , 102, 699-711	6	64
128	The kinetic mechanism of the dual phosphorylation of the ATF2 transcription factor by p38 mitogen-activated protein (MAP) kinase alpha. Implications for signal/response profiles of MAP kinase pathways. <i>Journal of Biological Chemistry</i> , 2001 , 276, 5676-84	5.4	61
127	In-situ generation of differential sensors that fingerprint kinases and the cellular response to their expression. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14814-20	16.4	54
126	Nonvisual arrestins function as simple scaffolds assembling the MKK4-JNK3 signaling complex. <i>Biochemistry</i> , 2011 , 50, 10520-9	3.2	54
125	MEK Inhibitor Selumetinib (AZD6244; ARRY-142886) Prevents Lung Metastasis in a Triple-Negative Breast Cancer Xenograft Model. <i>Molecular Cancer Therapeutics</i> , 2015 , 14, 2773-81	6.1	51

124	Arrestin-3 binds c-Jun N-terminal kinase 1 (JNK1) and JNK2 and facilitates the activation of these ubiquitous JNK isoforms in cells via scaffolding. <i>Journal of Biological Chemistry</i> , 2013 , 288, 37332-42	5.4	51
123	BRAF inhibitors suppress apoptosis through off-target inhibition of JNK signaling. <i>ELife</i> , 2013 , 2, e009698.9		51
122	c-Jun N-terminal kinase promotes stem cell phenotype in triple-negative breast cancer through upregulation of Notch1 via activation of c-Jun. <i>Oncogene</i> , 2017 , 36, 2599-2608	9.2	50
121	Haloperidol and clozapine differentially affect the expression of arrestins, receptor kinases, and extracellular signal-regulated kinase activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 325, 276-83	4.7	46
120	The anti-apoptotic protein PEA-15 is a tight binding inhibitor of ERK1 and ERK2, which blocks docking interactions at the D-recruitment site. <i>Biochemistry</i> , 2007 , 46, 9187-98	3.2	46
119	Synthesis and biological evaluation of pyrido[2,3-d]pyrimidine-2,4-dione derivatives as eEF-2K inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 4910-6	3.4	44
118	Calcium/calmodulin stimulates the autophosphorylation of elongation factor 2 kinase on Thr-348 and Ser-500 to regulate its activity and calcium dependence. <i>Biochemistry</i> , 2012 , 51, 2232-45	3.2	44
117	Investigating the kinetic mechanism of inhibition of elongation factor 2 kinase by NH125: evidence of a common in vitro artifact. <i>Biochemistry</i> , 2012 , 51, 2100-12	3.2	44
116	Definition of a Novel Feed-Forward Mechanism for Glycolysis-HIF1 β Signaling in Hypoxic Tumors Highlights Aldolase A as a Therapeutic Target. <i>Cancer Research</i> , 2016 , 76, 4259-4269	10.1	43
115	Physiological concentrations of divalent magnesium ion activate the serine/threonine specific protein kinase ERK2. <i>Biochemistry</i> , 2003 , 42, 2960-70	3.2	43
114	Peptide mini-scaffold facilitates JNK3 activation in cells. <i>Scientific Reports</i> , 2016 , 6, 21025	4.9	42
113	Properties and regulation of a transiently assembled ERK2.Ets-1 signaling complex. <i>Biochemistry</i> , 2006 , 45, 13719-33	3.2	42
112	JNK3 enzyme binding to arrestin-3 differentially affects the recruitment of upstream mitogen-activated protein (MAP) kinase kinases. <i>Journal of Biological Chemistry</i> , 2013 , 288, 28535-47	5.4	41
111	Proximity-induced catalysis by the protein kinase ERK2. <i>Journal of the American Chemical Society</i> , 2005 , 127, 10494-5	16.4	41
110	Development of JNK2-selective peptide inhibitors that inhibit breast cancer cell migration. <i>ACS Chemical Biology</i> , 2011 , 6, 658-66	4.9	38
109	Two rate-limiting steps in the kinetic mechanism of the serine/threonine specific protein kinase ERK2: a case of fast phosphorylation followed by fast product release. <i>Biochemistry</i> , 2003 , 42, 12273-86	3.2	37
108	193 nm Ultraviolet Photodissociation Mass Spectrometry for Phosphopeptide Characterization in the Positive and Negative Ion Modes. <i>Journal of Proteome Research</i> , 2016 , 15, 2739-48	5.6	34
107	Activated ERK2 is a monomer in vitro with or without divalent cations and when complexed to the cytoplasmic scaffold PEA-15. <i>Biochemistry</i> , 2011 , 50, 4568-78	3.2	34

106	Novel quinoline incorporating 1,2,4-triazole/oxime hybrids: Synthesis, molecular docking, anti-inflammatory, COX inhibition, ulcerogenicity and histopathological investigations. <i>Bioorganic Chemistry</i> , 2017 , 75, 242-259	5.1	33
105	Differential sensing of MAP kinases using SOX-peptides. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 14064-8	16.4	33
104	Solution NMR insights into docking interactions involving inactive ERK2. <i>Biochemistry</i> , 2011 , 50, 3660-72	3.2	32
103	Expanding the repertoire of an ERK2 recruitment site: cysteine footprinting identifies the D-recruitment site as a mediator of Ets-1 binding. <i>Biochemistry</i> , 2007 , 46, 9174-86	3.2	31
102	Transient protein-protein interactions and a random-ordered kinetic mechanism for the phosphorylation of a transcription factor by extracellular-regulated protein kinase 2. <i>Journal of Biological Chemistry</i> , 2002 , 277, 12532-40	5.4	31
101	Examining docking interactions on ERK2 with modular peptide substrates. <i>Biochemistry</i> , 2011 , 50, 9500-10	3.2	30
100	Understanding the specificity of a docking interaction between JNK1 and the scaffolding protein JIP1. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 1491-502	3.4	29
99	High-throughput database search and large-scale negative polarity liquid chromatography-tandem mass spectrometry with ultraviolet photodissociation for complex proteomic samples. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 2604-14	7.6	28
98	MELK: a potential novel therapeutic target for TNBC and other aggressive malignancies. <i>Expert Opinion on Therapeutic Targets</i> , 2017 , 21, 849-859	6.4	26
97	Pro-metastatic collagen lysyl hydroxylase dimer assemblies stabilized by Fe-binding. <i>Nature Communications</i> , 2018 , 9, 512	17.4	25
96	Design, synthesis and biological evaluation of fused naphthofuro[3,2-c]quinoline-6,7,12-triones and pyrano[3,2-c]quinoline-6,7,8,13-tetraones derivatives as ERK inhibitors with efficacy in BRAF-mutant melanoma. <i>Bioorganic Chemistry</i> , 2019 , 82, 290-305	5.1	25
95	Mechanistic Studies on Covalent Assemblies of Metal-Mediated Hemi-Aminal Ethers. <i>Chemical Science</i> , 2015 , 6, 158-164	9.4	24
94	The molecular mechanism of eukaryotic elongation factor 2 kinase activation. <i>Journal of Biological Chemistry</i> , 2014 , 289, 23901-16	5.4	24
93	From in Silico Discovery to intra-Cellular Activity: Targeting JNK-Protein Interactions with Small Molecules. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 721-725	4.3	24
92	Arrestin-3 scaffolding of the JNK3 cascade suggests a mechanism for signal amplification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 810-815	11.5	24
91	JNK Signaling in Stem Cell Self-Renewal and Differentiation. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	23
90	Purification and characterization of tagless recombinant human elongation factor 2 kinase (eEF-2K) expressed in Escherichia coli. <i>Protein Expression and Purification</i> , 2011 , 79, 237-44	2	23
89	Quantifying ERK2-protein interactions by fluorescence anisotropy: PEA-15 inhibits ERK2 by blocking the binding of DEJL domains. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005 , 1754, 316-23	4	23

88	Phosphorylation of the transcription factor Ets-1 by ERK2: rapid dissociation of ADP and phospho-Ets-1. <i>Biochemistry</i> , 2010 , 49, 3619-30	3.2	21
87	Models for nuclease catalysis: mechanisms for general acid catalysis of the rapid intramolecular displacement of methoxide from a phosphate diester. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993 , 1269		21
86	Reversible covalent inhibition of eEF-2K by carbonitriles. <i>ChemBioChem</i> , 2014 , 15, 2435-42	3.8	20
85	Purification of a model substrate for transcription factor phosphorylation by ERK2. <i>Protein Expression and Purification</i> , 2001 , 23, 191-7	2	20
84	A c-Jun N-terminal kinase inhibitor, JNK-IN-8, sensitizes triple negative breast cancer cells to lapatinib. <i>Oncotarget</i> , 2017 , 8, 104894-104912	3.3	20
83	High-throughput screens for eEF-2 kinase. <i>Journal of Biomolecular Screening</i> , 2014 , 19, 445-52		19
82	Manipulating JNK signaling with (–)-zuonin A. <i>ACS Chemical Biology</i> , 2012 , 7, 1873-83	4.9	19
81	Charge-site-dependent dissociation of hydrogen-rich radical peptide cations upon vacuum UV photoexcitation. <i>Chemistry - A European Journal</i> , 2012 , 18, 5374-83	4.8	19
80	Synthesis and biological evaluation of p38alpha kinase-targeting dialkynylimidazoles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 6293-7	2.9	19
79	NO-releasing STAT3 inhibitors suppress BRAF-mutant melanoma growth. <i>European Journal of Medicinal Chemistry</i> , 2020 , 186, 111885	6.8	19
78	Local destabilization, rigid body, and fuzzy docking facilitate the phosphorylation of the transcription factor Ets-1 by the mitogen-activated protein kinase ERK2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E6287-E6296	11.5	18
77	Computational insights for the discovery of non-ATP competitive inhibitors of MAP kinases. <i>Current Pharmaceutical Design</i> , 2012 , 18, 1173-85	3.3	18
76	Kinetic mechanism for p38 MAP kinase alpha. A partial rapid-equilibrium random-order ternary-complex mechanism for the phosphorylation of a protein substrate. <i>FEBS Journal</i> , 2005 , 272, 4631-45	5.7	18
75	Discovery of a potent inhibitor of MELK that inhibits expression of the anti-apoptotic protein Mcl-1 and TNBC cell growth. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 2609-2616	3.4	17
74	Docking interactions of hematopoietic tyrosine phosphatase with MAP kinases ERK2 and p38 α . <i>Biochemistry</i> , 2012 , 51, 8047-9	3.2	17
73	A model of a MAPK α -substrate complex in an active conformation: a computational and experimental approach. <i>PLoS ONE</i> , 2011 , 6, e18594	3.7	17
72	Overexpression of GRK6 rescues L-DOPA-induced signaling abnormalities in the dopamine-depleted striatum of hemiparkinsonian rats. <i>Experimental Neurology</i> , 2015 , 266, 42-54	5.7	16
71	Using docking and alchemical free energy approach to determine the binding mechanism of eEF2K inhibitors and prioritizing the compound synthesis. <i>Frontiers in Molecular Biosciences</i> , 2015 , 2, 9	5.6	15

70	Structural Basis for the Recognition of Eukaryotic Elongation Factor 2 Kinase by Calmodulin. <i>Structure</i> , 2016 , 24, 1441-51	5.2	15
69	Elucidating the Phosphate Binding Mode of Phosphate-Binding Protein: The Critical Effect of Buffer Solution. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 6371-6376	3.4	14
68	Targeting ERK beyond the boundaries of the kinase active site in melanoma. <i>Molecular Carcinogenesis</i> , 2019 , 58, 1551-1570	5	13
67	Structural and Dynamic Features of F-recruitment Site Driven Substrate Phosphorylation by ERK2. <i>Scientific Reports</i> , 2015 , 5, 11127	4.9	13
66	Differential functions of ERK1 and ERK2 in lung metastasis processes in triple-negative breast cancer. <i>Scientific Reports</i> , 2020 , 10, 8537	4.9	13
65	A Novel Class of Common Docking Domain Inhibitors That Prevent ERK2 Activation and Substrate Phosphorylation. <i>ACS Chemical Biology</i> , 2019 , 14, 1183-1194	4.9	12
64	A fluorescence-based assay for p38 recruitment site binders: identification of rooperol as a novel p38 kinase inhibitor. <i>ChemBioChem</i> , 2013 , 14, 66-71	3.8	12
63	Serotonin Analogues as Inhibitors of Breast Cancer Cell Growth. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 1072-1076	4.3	12
62	Toward a stable hydroxyphosphorane. <i>Organic Letters</i> , 2002 , 4, 201-3	6.2	12
61	Longitudinal tracking of subpopulation dynamics and molecular changes during LNCaP cell castration and identification of inhibitors that could target the PSA-/lo castration-resistant cells. <i>Oncotarget</i> , 2016 , 7, 14220-40	3.3	12
60	Arrestin-3-Dependent Activation of c-Jun N-Terminal Kinases (JNKs). <i>Current Protocols in Pharmacology</i> , 2015 , 68, 2.12.1-2.12.26	4.1	11
59	Quantification of a Pharmacodynamic ERK End Point in Melanoma Cell Lysates: Toward Personalized Precision Medicine. <i>ACS Medicinal Chemistry Letters</i> , 2015 , 6, 47-52	4.3	11
58	A kinetic approach towards understanding substrate interactions and the catalytic mechanism of the serine/threonine protein kinase ERK2: identifying a potential regulatory role for divalent magnesium. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004 , 1697, 81-7	4	11
57	Development of a High-Throughput Lysyl Hydroxylase (LH) Assay and Identification of Small-Molecule Inhibitors against LH2. <i>SLAS Discovery</i> , 2019 , 24, 484-491	3.4	11
56	A scalable lysyl hydroxylase 2 expression system and luciferase-based enzymatic activity assay. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 618, 45-51	4.1	10
55	Identification and validation of novel PERK inhibitors. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 1467-75	6.1	10
54	JNK2 Is Required for the Tumorigenic Properties of Melanoma Cells. <i>ACS Chemical Biology</i> , 2019 , 14, 1426-1435	4.9	9
53	Following in vitro activation of mitogen-activated protein kinases by mass spectrometry and tryptic peptide analysis: purifying fully activated p38 mitogen-activated protein kinase alpha. <i>Analytical Biochemistry</i> , 2005 , 336, 1-10	3.1	9

52	Assignment of backbone resonances in a eukaryotic protein kinase - ERK2 as a representative example. <i>Methods in Molecular Biology</i> , 2012 , 831, 359-68	1.4	9
51	Modulating multi-functional ERK complexes by covalent targeting of a recruitment site in vivo. <i>Nature Communications</i> , 2019 , 10, 5232	17.4	9
50	Signal Integration at Elongation Factor 2 Kinase: THE ROLES OF CALCIUM, CALMODULIN, AND SER-500 PHOSPHORYLATION. <i>Journal of Biological Chemistry</i> , 2017 , 292, 2032-2045	5.4	8
49	Computational and Experimental Studies of Inhibitor Design for Aldolase A. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 6034-6041	3.4	8
48	Design, synthesis, and DNA interaction studies of furo-imidazo[3.3.3]propellane derivatives: Potential anticancer agents. <i>Bioorganic Chemistry</i> , 2019 , 85, 585-599	5.1	8
47	Structural Evaluation of Protein/Metal Complexes via Native Electrospray Ultraviolet Photodissociation Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 1140-1150	3.5	8
46	Structural Dynamics of the Activation of Elongation Factor 2 Kinase by Ca-Calmodulin. <i>Journal of Molecular Biology</i> , 2018 , 430, 2802-2821	6.5	8
45	Propyphenazone-based analogues as prodrugs and selective cyclooxygenase-2 inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2014 , 5, 983-8	4.3	7
44	Lifetimes of Imidinium Ions in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 1997 , 119, 7271-7280	16.4	7
43	Developing Colorimetric and Luminescence-Based High-Throughput Screening Platforms for Monitoring the GTPase Activity of Ferrous Iron Transport Protein B (FeoB). <i>SLAS Discovery</i> , 2019 , 24, 597-605	3.4	6
42	Arrestin-3 interaction with maternal embryonic leucine-zipper kinase. <i>Cellular Signalling</i> , 2019 , 63, 1093669	6.9	6
41	Quantification of ERK Kinase Activity in Biological Samples Using Differential Sensing. <i>ACS Chemical Biology</i> , 2020 , 15, 83-92	4.9	6
40	A tunable assay for modulators of genome-destabilizing DNA structures. <i>Nucleic Acids Research</i> , 2019 , 47, e73	20.1	5
39	Differential Sensing of MAP Kinases Using SOX-Peptides. <i>Angewandte Chemie</i> , 2014 , 126, 14288-14292	3.6	5
38	Fluorescent peptide assays for protein kinases. <i>Current Protocols in Molecular Biology</i> , 2010 , Chapter 18, Unit 18.17	2.9	5
37	Regulation of protein phosphorylation within the MKK1-ERK2 complex by MP1 and the MP1*P14 heterodimer. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 460, 85-91	4.1	5
36	The role of calcium in the interaction between calmodulin and a minimal functional construct of eukaryotic elongation factor 2 kinase. <i>Protein Science</i> , 2019 , 28, 2089-2098	6.3	4
35	Rapid characterization of spike variants via mammalian cell surface display.. <i>Molecular Cell</i> , 2021 , 81, 5099-5111.e8	17.6	4

34	Structure of the C-Terminal Helical Repeat Domain of Eukaryotic Elongation Factor 2 Kinase. <i>Biochemistry</i> , 2016 , 55, 5377-86	3.2	4
33	A Fluorescence-Based High-Throughput Assay for the Identification of Anticancer Reagents Targeting Fructose-1,6-Bisphosphate Aldolase. <i>SLAS Discovery</i> , 2018 , 23, 1-10	3.4	4
32	Computational insights into the binding of IN17 inhibitors to MELK. <i>Journal of Molecular Modeling</i> , 2019 , 25, 151	2	3
31	Solution Structure of the Carboxy-Terminal Tandem Repeat Domain of Eukaryotic Elongation Factor 2 Kinase and Its Role in Substrate Recognition. <i>Journal of Molecular Biology</i> , 2019 , 431, 2700-2717 ^{6.5}		3
30	Development of a cost effective and robust AlphaScreen platform for application. <i>BioTechniques</i> , 2018 , 64, 181-183	2.5	3
29	Optimization of a Luminescence-Based High-Throughput Screening Assay for Detecting Apyrase Activity. <i>SLAS Discovery</i> , 2017 , 22, 94-101	3.4	3
28	The expression and purification of the N-terminal activation domain of the transcription factor c-Myc: a model substrate for exploring ERK2 docking interactions. <i>Protein Expression and Purification</i> , 2007 , 53, 80-6	2	3
27	Electrostatic catalysis of the hydrolysis of a phosphate diester in water. <i>Journal of the Chemical Society Chemical Communications</i> , 1992 , 1770		3
26	A collagen glucosyltransferase drives lung adenocarcinoma progression in mice. <i>Communications Biology</i> , 2021 , 4, 482	6.7	3
25	Structural dynamics of the complex of calmodulin with a minimal functional construct of eukaryotic elongation factor 2 kinase and the role of Thr348 autophosphorylation. <i>Protein Science</i> , 2021 , 30, 1221-1234 ^{6.3}		3
24	Identification of the JNK-Active Triple-Negative Breast Cancer Cluster Associated with an Immunosuppressive Tumor Microenvironment. <i>Journal of the National Cancer Institute</i> , 2021 ,	9.7	3
23	Development of 2Raminospiro [pyrano[3,2-c]quinoline]-3Rcarbonitrile derivatives as non-ATP competitive Src kinase inhibitors that suppress breast cancer cell migration and proliferation. <i>Bioorganic Chemistry</i> , 2021 , 116, 105344	5.1	3
22	Application of Eukaryotic Elongation Factor-2 Kinase (eEF-2K) for Cancer Therapy: Expression, Purification, and High-Throughput Inhibitor Screening. <i>Methods in Molecular Biology</i> , 2016 , 1360, 19-33	1.4	2
21	Elucidating binding modes of zuonin A enantiomers to JNK1 via in silico methods. <i>Journal of Molecular Graphics and Modelling</i> , 2013 , 45, 38-44	2.8	2
20	Conformational preference of ChaK1 binding peptides: a molecular dynamics study. <i>PMC Biophysics</i> , 2010 , 3, 2		2
19	A Robust and Cost-Effective Luminescent-Based High-Throughput Assay for Fructose-1,6-Bisphosphate Aldolase A. <i>SLAS Discovery</i> , 2020 , 25, 1038-1046	3.4	1
18	A Right-upRintercalator displacement assay for detection of triplex DNA stabilizers. <i>Chemical Communications</i> , 2020 , 56, 1996-1999	5.8	1
17	Induction of Autophagy by Polyphenolic Compounds in Cancer: A Novel Strategy to induce cell death and to Treat Cancer 2012 , 237-261		1

16	6 Reaction mechanisms. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2002 , 98, 253-291		1
15	Droplet-based screening of phosphate transfer catalysis reveals how epistasis shapes MAP kinase interactions with substrates.. <i>Nature Communications</i> , 2022 , 13, 844	17.4	1
14	Development of cell-based high throughput luminescence assay for drug discovery in inhibiting OCT4/DNA-PKcs and OCT4-MK2 interactions. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 1987-2000	4.9	1
13	Luminescence Energy Transfer-Based Screening and Target Engagement Approaches for Chemical Biology and Drug Discovery. <i>SLAS Discovery</i> , 2021 , 26, 984-994	3.4	1
12	Discovery of an Effective Small-Molecule Allosteric Inhibitor of New Delhi Metallo-βactamase (NDM).. <i>ACS Infectious Diseases</i> , 2022 , 8, 811-824	5.5	1
11	12 Reaction mechanisms. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2004 , 100, 311-333		0
10	10 Reaction mechanisms. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2003 , 99, 351		0
9	The two non-visual arrestins engage ERK2 differently.. <i>Journal of Molecular Biology</i> , 2022 , 167465	6.5	0
8	11 Reaction mechanisms. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2005 , 101, 264		
7	Phage display identifies novel peptides that bind extracellular-regulated protein kinase 2 to compete with transcription factor binding. <i>Journal of Physical Organic Chemistry</i> , 2004 , 17, 461-471	2.1	
6	Conserved elements of the cytochrome P-450 superfamily found in monoamine oxidase B. <i>NeuroToxicology</i> , 2004 , 25, 73-8	4.4	
5	Mechanism of catalysis of the hydrolysis of a formamidine compound. <i>Perkin Transactions II RSC</i> , 2001 , 1961-1967		
4	A Toolbox of Structural Biology and Enzyme Kinetics Reveals the Case for ERK Docking Site Inhibition 2020 , 109-139		
3	Targeting the transient receptor potential-melastatin-like 7 (Trpm7) kinase domain with the first inhibitor, inhibited breast cancer cell migration, invasion and tumor metastasis.. <i>FASEB Journal</i> , 2015 , 29, 1021.9	0.9	
2	Evidence of the Regulation of JNK2 through Oligomerization. <i>FASEB Journal</i> , 2013 , 27, 789.22	0.9	
1	JNK3 binding to arrestin-3 differentially affects recruitment of upstream MAP kinase kinases. <i>FASEB Journal</i> , 2013 , 27, 1042.4	0.9	