Karunakaran A Kalesh

List of Publications by Year
in descending order

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30 papers	1,147 citations	471061 17 h-index	525886 27 g-index
34 all docs	34 docs citations	34 times ranked	1965 citing authors

#	Article	IF	Citations
1	Artemisinin as an anticancer drug: Recent advances in target profiling and mechanisms of action. Medicinal Research Reviews, 2017, 37, 1492-1517.	5.0	178
2	Key cell signaling pathways modulated by zerumbone: Role in the prevention and treatment of cancer. Biochemical Pharmacology, 2012, 84, 1268-1276.	2.0	125
3	Target identification of natural and traditional medicines with quantitative chemical proteomics approaches. , 2016, 162, 10-22.		93
4	Global profiling of protein lipidation using chemical proteomic technologies. Current Opinion in Chemical Biology, 2015, 24, 48-57.	2.8	90
5	The Quest for Novel Antimicrobial Compounds: Emerging Trends in Research, Development, and Technologies. Antibiotics, 2019, 8, 8.	1.5	67
6	High-Throughput Discovery of Mycobacterium tuberculosis Protein Tyrosine Phosphatase B (MptpB) Inhibitors Using Click Chemistry. Organic Letters, 2009, 11, 5102-5105.	2.4	64
7	High-throughput synthesis of azide libraries suitable for direct â€œclickâ€•chemistry and in situ screening. Organic and Biomolecular Chemistry, 2009, 7, 1821.	1.5	56
8	The use of click chemistry in the emerging field of catalomics. Organic and Biomolecular Chemistry, 2010, 8, 1749.	1.5	54
9	Peptide-based activity-based probes (ABPs) for target-specific profiling of proteintyrosine phosphatases (PTPs). Chemical Communications, 2010, 46, 589-591.	2.2	51
10	Methods of using click chemistry in the discovery of enzyme inhibitors. Nature Protocols, 2007, 2, 2655-2664.	5.5	47
11	Rapid synthesis of Abelson tyrosine kinase inhibitors using click chemistry. Organic and Biomolecular Chemistry, 2009, 7, 5129.	1.5	38
12	Small molecule probes that target Ablkinase. Chemical Communications, 2010, 46, 1118-1120.	2.2	33
13	Competition-based, quantitative chemical proteomics in breast cancer cells identifies new target profiles for sulforaphane. Chemical Communications, 2017, 53, 5182-5185.	2.2	30
14	Recent Advances in Synthesis and Identification of Cyclic Peptides for Bioapplications. Current Topics in Medicinal Chemistry, 2017, 17, 2302-2318.	1.0	28
15	Target profiling of zerumbone using a novel cell-permeable clickable probe and quantitative chemical proteomics. Chemical Communications, 2015, 51, 5497-5500.	2.2	26
16	An Integrated Chemical Proteomics Approach for Quantitative Profiling of Intracellular ADP-Ribosylation. Scientific Reports, 2019, 9, 6655.	1.6	26
17	A capillary electrophoresis method to explore the selfâ€assembly of a novel polypeptide ligand with quantum dots. Electrophoresis, 2016, 37, 2156-2162.	1.3	20
18	Defeating the trypanosomatid trio: proteomics of the protozoan parasites causing neglected tropical diseases. RSC Medicinal Chemistry, 2020, 11, 625-645.	1.7	18

#	Article	IF	Citations
19	An Improved Mechanismâ€Based Crossâ€Linker for Multiplexed Kinase Detection and Inhibition in a Complex Proteome. ChemBioChem, 2008, 9, 1883-1888.	1.3	15
20	Synthesis of 2,3,5-trisubstituted furans from Î±-formylaroylketene dithioacetals. Tetrahedron Letters, 2011, 52, 1667-1669.	0.7	15
21	The Medicinal Chemistry of Therapeutic Peptides: Recent Developments in Synthesis and Design Optimizations. Current Medicinal Chemistry, 2019, 26, 2330-2355.	1.2	12
22	Detectives and helpers: Natural products as resources for chemical probes and compound libraries. , 2020, 216, 107688.		11
23	A succinyl lysine-based photo-cross-linking peptide probe for Sirtuin 5. Organic and Biomolecular Chemistry, 2014, 12, 4310-4313.	1.5	10
24	A BONCAT-iTRAQ method enables temporally resolved quantitative profiling of newly synthesised proteins in Leishmania mexicana parasites during starvation. PLoS Neglected Tropical Diseases, 2019, 13, e0007651.	1.3	10
25	Quantitative Proteomics Reveals that Hsp90 Inhibition Dynamically Regulates Global Protein Synthesis in Leishmania mexicana. MSystems, 2021, 6, .	1.7	10
26	Transcriptome-Wide Identification of Coding and Noncoding RNA-Binding Proteins Defines the Comprehensive RNA Interactome of Leishmania mexicana. Microbiology Spectrum, 2022, 10, e0242221.	1.2	8
27	Affinityâ€based proteomics reveals novel targets of inositol pyrophosphate (5â€IP 7)â€dependent phosphorylation and binding in Trypanosoma cruzi replicative stages. Molecular Microbiology, 2021, 115, 986-1004.	1.2	5
28	Discovery of Leishmania Druggable Serine Proteases by Activity-Based Protein Profiling. Frontiers in Pharmacology, 0, 13, .	1.6	4
29	How can proteomics overhaul our understanding of Leishmania biology?. Expert Review of Proteomics, 2020, 17, 789-792.	1.3	2
30	Antileishmanial Drug Development: A Review of Modern Molecular Chemical Tools and Research Strategies. Current Medicinal Chemistry, 2021, 28, 6337-6357.	1.2	1