

Basil P Hubbard

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

6,170
citations

361045

20
h-index

360668

35
g-index

38
all docs

38
docs citations

38
times ranked

10228
citing authors

#	ARTICLE	IF	CITATIONS
1	Guide RNAs containing universal bases enable Cas9/Cas12a recognition of polymorphic sequences. <i>Nature Communications</i> , 2022, 13, 1617.	5.8	13
2	A reversible metabolic stress-sensitive regulation of CRMP2A orchestrates EMT/stemness and increases metastatic potential in cancer. <i>Cell Reports</i> , 2022, 38, 110511.	2.9	6
3	CRISPR-Click Enables Dual-Gene Editing with Modular Synthetic sgRNAs. <i>Bioconjugate Chemistry</i> , 2022, 33, 858-868.	1.8	2
4	A conserved acetylation switch enables pharmacological control of tubby-like protein stability. <i>Journal of Biological Chemistry</i> , 2021, 296, 100073.	1.6	10
5	Identification of Drug Resistance Genes Using a Pooled Lentiviral CRISPR/Cas9 Screening Approach. <i>Methods in Molecular Biology</i> , 2021, 2381, 227-242.	0.4	5
6	Tripeptide IRW Upregulates NAMPT Protein Levels in Cells and Obese C57BL/6J Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 1555-1566.	2.4	16
7	Matrix metalloproteinase-2 mediates ribosomal RNA transcription by cleaving nucleolar histones. <i>FEBS Journal</i> , 2021, 288, 6736-6751.	2.2	13
8	Methods for Measuring CRISPR/Cas9 DNA Cleavage in Cells. <i>Methods in Molecular Biology</i> , 2021, 2162, 197-213.	0.4	2
9	In Vitro Assays for Comparing the Specificity of First- and Next-Generation CRISPR/Cas9 Systems. <i>Methods in Molecular Biology</i> , 2021, 2162, 215-232.	0.4	3
10	Resveratrol and Resveratrol-Aspirin Hybrid Compounds as Potent Intestinal Anti-Inflammatory and Anti-Tumor Drugs. <i>Molecules</i> , 2020, 25, 3849.	1.7	17
11	CRISPR Lights up In Situ Protein Evolution. <i>Cell Chemical Biology</i> , 2020, 27, 475-478.	2.5	1
12	Tripeptide IRW initiates differentiation in osteoblasts via the RUNX2 pathway. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1138-1146.	1.1	29
13	Incorporation of bridged nucleic acids into CRISPR RNAs improves Cas9 endonuclease specificity. <i>Nature Communications</i> , 2018, 9, 1448.	5.8	136
14	Identification and Characterization of Novel Receptor-Interacting Serine/Threonine-Protein Kinase 2 Inhibitors Using Structural Similarity Analysis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 365, 354-367.	1.3	22
15	Kinase-targeted cancer therapies: progress, challenges and future directions. <i>Molecular Cancer</i> , 2018, 17, 48.	7.9	796
16	A conserved NAD ⁺ binding pocket that regulates protein-protein interactions during aging. <i>Science</i> , 2017, 355, 1312-1317.	6.0	140
17	JNK Phosphorylates SIRT6 to Stimulate DNA Double-Strand Break Repair in Response to Oxidative Stress by Recruiting PARP1 to DNA Breaks. <i>Cell Reports</i> , 2016, 16, 2641-2650.	2.9	104
18	Synthesis and Assay of SIRT1-Activating Compounds. <i>Methods in Enzymology</i> , 2016, 574, 213-244.	0.4	10

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19	Lifespan and healthspan extension by resveratrol. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1209-1218.	1.8	208
20	Continuous directed evolution of DNA-binding proteins to improve TALEN specificity. <i>Nature Methods</i> , 2015, 12, 939-942.	9.0	88
21	Small molecule SIRT1 activators for the treatment of aging and age-related diseases. <i>Trends in Pharmacological Sciences</i> , 2014, 35, 146-154.	4.0	485
22	Declining NAD ⁺ Induces a Pseudohypoxic State Disrupting Nuclear-Mitochondrial Communication during Aging. <i>Cell</i> , 2013, 155, 1624-1638.	13.5	1,134
23	Identification of a SIRT1 Mutation in a Family with Type 1 Diabetes. <i>Cell Metabolism</i> , 2013, 17, 448-455.	7.2	103
24	Evidence for a Common Mechanism of SIRT1 Regulation by Allosteric Activators. <i>Science</i> , 2013, 339, 1216-1219.	6.0	538
25	Measurement of Sirtuin Enzyme Activity Using a Substrate-Agnostic Fluorometric Nicotinamide Assay. <i>Methods in Molecular Biology</i> , 2013, 1077, 167-177.	0.4	20
26	Analysis of 41 cancer cell lines reveals excessive allelic loss and novel mutations in the <i>SIRT1</i> gene. <i>Cell Cycle</i> , 2013, 12, 263-270.	1.3	30
27	Carboxamide SIRT1 inhibitors block DBC1 binding via an acetylation-independent mechanism. <i>Cell Cycle</i> , 2013, 12, 2233-2240.	1.3	18
28	Berberine protects against high fat diet-induced dysfunction in muscle mitochondria by inducing SIRT1-dependent mitochondrial biogenesis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 185-195.	1.8	155
29	SIRT1 Is Required for AMPK Activation and the Beneficial Effects of Resveratrol on Mitochondrial Function. <i>Cell Metabolism</i> , 2012, 15, 675-690.	7.2	1,251
30	The lifespan extension effects of resveratrol are conserved in the honey bee and may be driven by a mechanism related to caloric restriction. <i>Aging</i> , 2012, 4, 499-508.	1.4	91
31	Negative Regulation of STAT3 Protein-mediated Cellular Respiration by SIRT1 Protein. <i>Journal of Biological Chemistry</i> , 2011, 286, 19270-19279.	1.6	115
32	SRT1720 improves survival and healthspan of obese mice. <i>Scientific Reports</i> , 2011, 1, 70.	1.6	249
33	Characterization of murine SIRT3 transcript variants and corresponding protein products. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 1051-1058.	1.2	34
34	SIRT1 Activation by Small Molecules. <i>Journal of Biological Chemistry</i> , 2010, 285, 32695-32703.	1.6	194
35	Structural study of Maya Blue: textural, thermal and solidstate multinuclear magnetic resonance characterization of the palygorskite-indigo and sepiolite-indigo adducts. <i>Clays and Clay Minerals</i> , 2003, 51, 318-326.	0.6	131
36	CHAPTER 11. Allosteric SIRT1 Activators as Putative Anti-Aging Drugs. <i>RSC Drug Discovery Series</i> , 0, , 272-297.	0.2	0