Basil P Hubbard

List of Publications by Year
in descending order

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	SIRT1 Is Required for AMPK Activation and the Beneficial Effects of Resveratrol on Mitochondrial Function. Cell Metabolism, 2012, 15, 675-690.	7.2	1,251
2	Declining NAD+ Induces a Pseudohypoxic State Disrupting Nuclear-Mitochondrial Communication during Aging. Cell, 2013, 155, 1624-1638.	13.5	1,134
3	Kinase-targeted cancer therapies: progress, challenges and future directions. Molecular Cancer, 2018, 17, 48.	7.9	796
4	Evidence for a Common Mechanism of SIRT1 Regulation by Allosteric Activators. Science, 2013, 339, 1216-1219.	6.0	538
5	Small molecule SIRT1 activators for the treatment of aging and age-related diseases. Trends in Pharmacological Sciences, 2014, 35, 146-154.	4.0	485
6	SRT1720 improves survival and healthspan of obese mice. Scientific Reports, 2011, 1, 70.	1.6	249
7	Lifespan and healthspan extension by resveratrol. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1209-1218.	1.8	208
8	SIRT1 Activation by Small Molecules. Journal of Biological Chemistry, 2010, 285, 32695-32703.	1.6	194
9	Berberine protects against high fat diet-induced dysfunction in muscle mitochondria by inducing SIRT1-dependent mitochondrial biogenesis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 185-195.	1.8	155
10	A conserved NAD ⁺ binding pocket that regulates protein-protein interactions during aging. Science, 2017, 355, 1312-1317.	6.0	140
11	Incorporation of bridged nucleic acids into CRISPR RNAs improves Cas9 endonuclease specificity. Nature Communications, 2018, 9, 1448.	5.8	136
12	Structural study of Maya Blue: textural, thermal and solidstate multinuclear magnetic resonance characterization of the palygorskite-indigo and sepiolite-indigo adducts. Clays and Clay Minerals, 2003, 51, 318-326.	0.6	131
13	Negative Regulation of STAT3 Protein-mediated Cellular Respiration by SIRT1 Protein. Journal of Biological Chemistry, 2011, 286, 19270-19279.	1.6	115
14	JNK Phosphorylates SIRT6 to Stimulate DNA Double-Strand Break Repair in Response to Oxidative Stress by Recruiting PARP1 to DNA Breaks. Cell Reports, 2016, 16, 2641-2650.	2.9	104
15	Identification of a SIRT1 Mutation in a Family with Type 1 Diabetes. Cell Metabolism, 2013, 17, 448-455.	7.2	103
16	The lifespan extension effects of resveratrol are conserved in the honey bee and may be driven by a mechanism related to caloric restriction. Aging, 2012, 4, 499-508.	1.4	91
17	Continuous directed evolution of DNA-binding proteins to improve TALEN specificity. Nature Methods, 2015, 12, 939-942.	9.0	88
18	Characterization of murine SIRT3 transcript variants and corresponding protein products. Journal of Cellular Biochemistry, 2010, 111, 1051-1058.	1.2	34

#	Article	IF	Citations
19	Analysis of 41 cancer cell lines reveals excessive allelic loss and novel mutations in theSIRT1gene. Cell Cycle, 2013, 12, 263-270.	1.3	30
20	Tripeptide IRW initiates differentiation in osteoblasts via the RUNX2 pathway. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1138-1146.	1.1	29
21	Identification and Characterization of Novel Receptor-Interacting Serine/Threonineâ€Protein Kinase 2 Inhibitors Using Structural Similarity Analysis. Journal of Pharmacology and Experimental Therapeutics, 2018, 365, 354-367.	1.3	22
22	Measurement of Sirtuin Enzyme Activity Using a Substrate-Agnostic Fluorometric Nicotinamide Assay. Methods in Molecular Biology, 2013, 1077, 167-177.	0.4	20
23	Carboxamide SIRT1 inhibitors block DBC1 binding via an acetylation-independent mechanism. Cell Cycle, 2013, 12, 2233-2240.	1.3	18
24	Resveratrol and Resveratrol-Aspirin Hybrid Compounds as Potent Intestinal Anti-Inflammatory and Anti-Tumor Drugs. Molecules, 2020, 25, 3849.	1.7	17
25	Tripeptide IRW Upregulates NAMPT Protein Levels in Cells and Obese C57BL/6J Mice. Journal of Agricultural and Food Chemistry, 2021, 69, 1555-1566.	2.4	16
26	Matrix metalloproteinaseâ€2 mediates ribosomal RNA transcription by cleaving nucleolar histones. FEBS Journal, 2021, 288, 6736-6751.	2.2	13
27	Guide RNAs containing universal bases enable Cas9/Cas12a recognition of polymorphic sequences. Nature Communications, 2022, 13, 1617.	5.8	13
28	Synthesis and Assay of SIRT1-Activating Compounds. Methods in Enzymology, 2016, 574, 213-244.	0.4	10
29	A conserved acetylation switch enables pharmacological control of tubby-like protein stability. Journal of Biological Chemistry, 2021, 296, 100073.	1.6	10
30	A reversible metabolic stress-sensitive regulation of CRMP2A orchestrates EMT/stemness and increases metastatic potential in cancer. Cell Reports, 2022, 38, 110511.	2.9	6
31	Identification of Drug Resistance Genes Using a Pooled Lentiviral CRISPR/Cas9 Screening Approach. Methods in Molecular Biology, 2021, 2381, 227-242.	0.4	5
32	In Vitro Assays for Comparing the Specificity of First- and Next-Generation CRISPR/Cas9 Systems. Methods in Molecular Biology, 2021, 2162, 215-232.	0.4	3
33	Methods for Measuring CRISPR/Cas9 DNA Cleavage in Cells. Methods in Molecular Biology, 2021, 2162, 197-213.	0.4	2
34	CRISPR-Click Enables Dual-Gene Editing with Modular Synthetic sgRNAs. Bioconjugate Chemistry, 2022, 33, 858-868.	1.8	2
35	CRISPR Lights up In Situ Protein Evolution. Cell Chemical Biology, 2020, 27, 475-478.	2.5	1
36	CHAPTER 11. Allosteric SIRT1 Activators as Putative Anti-Aging Drugs. RSC Drug Discovery Series, 0, , 272-297.	0.2	0