Sunil C Kaul

List of Publications by Year
in descending order

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240 papers	9,536 citations	31976 53 h-index	56724 83 g-index
243 all docs	243 docs citations	243 times ranked	8050 citing authors

#	Article	IF	Citations
1	Ski is a component of the histone deacetylase complex required for transcriptional repression by Mad and thyroid hormone receptor. Genes and Development, 1999, 13, 412-423.	5.9	253
2	An Hsp70 family chaperone, mortalin/mthsp70/PBP74/Grp75: what, when, and where?. Cell Stress and Chaperones, 2002, 7, 309.	2.9	242
3	Three faces of mortalin: A housekeeper, guardian and killer. Experimental Gerontology, 2007, 42, 263-274.	2.8	217
4	Upregulation of mortalin/mthsp70/Grp75 contributes to human carcinogenesis. International Journal of Cancer, 2006, 118, 2973-2980.	5.1	214
5	Inactivation of Tumor Suppressor p53 by Mot-2, a hsp70 Family Member. Journal of Biological Chemistry, 1998, 273, 29586-29591.	3.4	207
6	Nanogel-quantum dot hybrid nanoparticles for live cell imaging. Biochemical and Biophysical Research Communications, 2005, 331, 917-921.	2.1	202
7	The Ski Protein Family Is Required for MeCP2-mediated Transcriptional Repression. Journal of Biological Chemistry, 2001, 276, 34115-34121.	3.4	191
8	Extramitochondrial Localization of Mortalin/mthsp70/PBP74/GRP75. Biochemical and Biophysical Research Communications, 2000, 275, 174-179.	2.1	179
9	On the brotherhood of the mitochondrial chaperones mortalin and heat shock protein 60. Cell Stress and Chaperones, 2006, 11, 116.	2.9	163
10	Hsp70 Family Member, mot-2/mthsp70/GRP75, Binds to the Cytoplasmic Sequestration Domain of the p53 Protein. Experimental Cell Research, 2002, 274, 246-253.	2.6	162
11	Selective Killing of Cancer Cells by Leaf Extract of Ashwagandha: Identification of a Tumor-Inhibitory Factor and the First Molecular Insights to Its Effect. Clinical Cancer Research, 2007, 13, 2298-2306.	7.0	160
12	Protective Role of Ashwagandha Leaf Extract and Its Component Withanone on Scopolamine-Induced Changes in the Brain and Brain-Derived Cells. PLoS ONE, 2011, 6, e27265.	2.5	154
13	Mortalinâ€“p53 interaction in cancer cells is stress dependent and constitutes a selective target for cancer therapy. Cell Death and Differentiation, 2011, 18, 1046-1056.	11.2	143
14	Quantum dots in bio-imaging: Revolution by the small. Biochemical and Biophysical Research Communications, 2005, 329, 1173-1177.	2.1	140
15	Role of PML and PML-RARÎ± in Mad-Mediated Transcriptional Repression. Molecular Cell, 2001, 7, 1233-1243.	9.7	137
16	Withanone and Withaferin-A are predicted to interact with transmembrane protease serine 2 (TMPRSS2) and block entry of SARS-CoV-2 into cells. Journal of Biomolecular Structure and Dynamics, 2022, 40, 1-13.	3.5	128
17	Selective Killing of Cancer Cells by Ashwagandha Leaf Extract and Its Component Withanone Involves ROS Signaling. PLoS ONE, 2010, 5, e13536.	2.5	124
18	Activation of Wild Type p53 Function by Its Mortalin-binding, Cytoplasmically Localizing Carboxyl Terminus Peptides. Journal of Biological Chemistry, 2005, 280, 39373-39379.	3.4	120

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19	Mortalin imaging in normal and cancer cells with quantum dot immuno-conjugates. Cell Research, 2003, 13, 503-507.	12.0	118
20	Cell cycle checkpoint defects contribute to genomic instability in PTEN deficient cells independent of DNA DSB repair. Cell Cycle, 2009, 8, 2198-2210.	2.6	107
21	Elevated Levels of Mortalin Expression in Human Brain Tumors. Experimental Cell Research, 1997, 237, 38-45.	2.6	98
22	Intracellular distribution of human <scp>SIRT</scp>7 and mapping of the nuclear/nucleolar localization signal. FEBS Journal, 2013, 280, 3451-3466.	4.7	96
23	Differential Subcellular Distribution of Mortalin in Mortal and Immortal Mouse and Human Fibroblasts. Experimental Cell Research, 1993, 207, 442-448.	2.6	95
24	Overexpressed mortalin (mot-2)/mthsp70/GRP75 and hTERT cooperate to extend the in vitro lifespan of human fibroblasts. Experimental Cell Research, 2003, 286, 96-101.	2.6	93
25	Stress Chaperone Mortalin Contributes to Epithelial-to-Mesenchymal Transition and Cancer Metastasis. Cancer Research, 2016, 76, 2754-2765.	0.9	93
26	Differential Activities of the Two Closely Related Withanolides, Withaferin A and Withanone: Bioinformatics and Experimental Evidences. PLoS ONE, 2012, 7, e44419.	2.5	92
27	Identification and characterization of molecular interactions between mortalin/mtHsp70 and HSP60. Biochemical Journal, 2005, 391, 185-190.	3.7	89
28	Mortalin: present and prospective. Experimental Gerontology, 2002, 37, 1157-1164.	2.8	87
29	Effect of the alcoholic extract of Ashwagandha leaves and its components on proliferation, migration, and differentiation of glioblastoma cells: Combinational approach for enhanced differentiation. Cancer Science, 2009, 100, 1740-1747.	3.9	87
30	Malignant transformation of NIH3T3 cells by overexpression of mot-2 protei. Oncogene, 1998, 17, 907-911.	5.9	86
31	Heterogeneous Nuclear Ribonucleoprotein K (hnRNP-K) Promotes Tumor Metastasis by Induction of Genes Involved in Extracellular Matrix, Cell Movement, and Angiogenesis. Journal of Biological Chemistry, 2013, 288, 15046-15056.	3.4	85
32	Induction of barotolerance by heat shock treatment in yeast. FEMS Microbiology Letters, 1991, 80, 325-328.	1.8	82
33	Correlation between Complementation Group for Immortality and the Cellular Distribution of Mortalin. Experimental Cell Research, 1995, 216, 101-106.	2.6	81
34	Viral Ski Inhibits Retinoblastoma Protein (Rb)-mediated Transcriptional Repression in a Dominant Negative Fashion. Journal of Biological Chemistry, 1999, 274, 4485-4488.	3.4	80
35	Fibroblast growth factor-1 interacts with the glucose-regulated protein GRP75/mortalin. Biochemical Journal, 1999, 343, 461-466.	3.7	79
36	Mortalin sensitizes human cancer cells to MKT-077-induced senescence. Cancer Letters, 2007, 252, 259-269.	7.2	79

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37	Selective killing of cancer cells by leaf extract of Ashwagandha: Components, activity and pathway analyses. Cancer Letters, 2008, 262, 37-47.	7.2	77
38	Ski is involved in transcriptional regulation by the repressor and full-length forms of Gli3. Genes and Development, 2002, 16, 2843-2848.	5.9	76
39	Inactivation of p53 and life span extension of human diploid fibroblasts by mot-2. FEBS Letters, 2000, 474, 159-164.	2.8	73
40	Mortalinâ€“MPD (mevalonate pyrophosphate decarboxylase) interactions and their role in control of cellular proliferation. Biochemical and Biophysical Research Communications, 2003, 302, 735-742.	2.1	71
41	Reduction in mortalin level by its antisense expression causes senescence-like growth arrest in human immortalized cells. Journal of Gene Medicine, 2004, 6, 439-444.	2.8	70
42	A Novel Testis-Specific Metallothionein-like Protein,Tesmin,Is an Early Marker of Male Germ Cell Differentiation. Genomics, 1999, 57, 130-136.	2.9	69
43	Induction of mutant p53â€dependent apoptosis in human hepatocellular carcinoma by targeting stress protein mortalin. International Journal of Cancer, 2011, 129, 1806-1814.	5.1	65
44	Water Extract from the Leaves of Withania somnifera Protect RA Differentiated C6 and IMR-32 Cells against Glutamate-Induced Excitotoxicity. PLoS ONE, 2012, 7, e37080.	2.5	65
45	Withanone-Rich Combination of Ashwagandha Withanolides Restricts Metastasis and Angiogenesis through hnRNP-K. Molecular Cancer Therapeutics, 2014, 13, 2930-2940.	4.1	65
46	Molecular Characterization and Enhancement of Anticancer Activity of Caffeic Acid Phenethyl Ester by Î³ Cyclodextrin. Journal of Cancer, 2016, 7, 1755-1771.	2.5	65
47	An N-terminal Region of Mot-2 Binds to p53 In Vitro. Neoplasia, 2001, 3, 110-114.	5.3	62
48	Water Extract of Ashwagandha Leaves Has Anticancer Activity: Identification of an Active Component and Its Mechanism of Action. PLoS ONE, 2013, 8, e77189.	2.5	61
49	CARF Is a Novel Protein That Cooperates with Mouse p19 (Human p14) in Activating p53. Journal of Biological Chemistry, 2002, 277, 37765-37770.	3.4	58
50	Relevance of mortalin to cancer cell stemness and cancer therapy. Scientific Reports, 2017, 7, 42016.	3.3	58
51	Decrease in Amplified Telomeric Sequences and Induction of Senescence Markers by Introduction of Human Chromosome 7 or Its Segments in SUSM-1. Experimental Cell Research, 1997, 235, 345-353.	2.6	57
52	Targeting mortalin using conventional and RNAâ€helicaseâ€coupled hammerhead ribozymes. EMBO Reports, 2003, 4, 595-601.	4.5	57
53	Withanone binds to mortalin and abrogates mortalinâ€“p53 complex: Computational and experimental evidence. International Journal of Biochemistry and Cell Biology, 2012, 44, 496-504.	2.8	56
54	Do heat shock proteins provide protection against freezing?. FEMS Microbiology Letters, 1990, 72, 159-162.	1.8	55

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55	Identification and Functional Characterization of Nuclear Mortalin in Human Carcinogenesis. Journal of Biological Chemistry, 2014, 289, 24832-24844.	3.4	53
56	Cell-Cycle Dependent Tyrosine Phosphorylation on Mortalin Regulates Its Interaction with Fibroblast Growth Factor-1. Biochemical and Biophysical Research Communications, 2001, 280, 1203-1209.	2.1	50
57	Involvement of Mortalin in Cellular Senescence from the Perspective of its Mitochondrial Import, Chaperone, and Oxidative Stress Management Functions. Annals of the New York Academy of Sciences, 2007, 1100, 306-311.	3.8	50
58	Identification and characterization of molecular interactions between glucose-regulated proteins (GRPs) mortalin/GRP75/peptide-binding protein 74 (PBP74) and GRP94. Biochemical Journal, 2001, 357, 393-398.	3.7	46
59	Tumor suppression by apoptotic and antiâ€angiogenic effects of mortalinâ€targeting adenoâ€oncolytic virus. Journal of Gene Medicine, 2010, 12, 586-595.	2.8	46
60	Identification of Metastasis-related Genes in a Mouse Model Using a Library of Randomized Ribozymes. Journal of Biological Chemistry, 2004, 279, 38083-38086.	3.4	45
61	Anticancer Activity in Honeybee Propolis: Functional Insights to the Role of Caffeic Acid Phenethyl Ester and Its Complex With Î³-Cyclodextrin. Integrative Cancer Therapies, 2018, 17, 867-873.	2.0	45
62	From proliferative to neurological role of an hsp70 stress chaperone, mortalin. Biogerontology, 2008, 9, 391-403.	3.9	43
63	Combinations of Ashwagandha Leaf Extracts Protect Brain-Derived Cells against Oxidative Stress and Induce Differentiation. PLoS ONE, 2015, 10, e0120554.	2.5	43
64	Hydrostatic pressure is like high temperature and oxidative stress in the damage it causes to yeast. FEMS Microbiology Letters, 1993, 108, 53-57.	1.8	42
65	NIH 3T3 cells malignantly transformed by mot-2 show inactivation and cytoplasmic sequestration of the p53 protein. Cell Research, 1999, 9, 261-269.	12.0	42
66	Merger of Ayurveda and Tissue Culture-Based Functional Genomics: Inspirations from Systems Biology. Journal of Translational Medicine, 2008, 6, 14.	4.4	42
67	MicroRNA-296 is enriched in cancer cells and downregulates p21WAF1 mRNA expression via interaction with its 3' untranslated region. Nucleic Acids Research, 2011, 39, 8078-8091.	14.5	42
68	Pex19p Dampens the p19ARF-p53-p21WAF1 Tumor Suppressor Pathway*. Journal of Biological Chemistry, 2001, 276, 18649-18652.	3.4	41
69	PML-RARÎ± Alleviates the Transcriptional Repression Mediated by Tumor Suppressor Rb. Journal of Biological Chemistry, 2001, 276, 43491-43494.	3.4	41
70	Functional Significance of Point Mutations in Stress Chaperone Mortalin and Their Relevance to Parkinson Disease. Journal of Biological Chemistry, 2015, 290, 8447-8456.	3.4	41
71	Biotechnological interventions in<i>Withania somnifera</i>(L.) Dunal. Biotechnology and Genetic Engineering Reviews, 2015, 31, 1-20.	6.2	41
72	Withaferin-A kills cancer cells with and without telomerase: chemical, computational and experimental evidences. Cell Death and Disease, 2017, 8, e2755-e2755.	6.3	41

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73	Ashwagandha Derived Withanone Targets TPX2-Aurora A Complex: Computational and Experimental Evidence to its Anticancer Activity. PLoS ONE, 2012, 7, e30890.	2.5	41
74	A Novel Alternatively Spliced Form of Murine Vascular Endothelial Growth Factor, VEGF 115. Journal of Biological Chemistry, 1998, 273, 3033-3038.	3.4	40
75	Senescence and immortalization of human cells. Biogerontology, 2000, 1, 103-121.	3.9	40
76	Cucurbitacin B and cancer intervention: Chemistry, biology and mechanisms (Review). International Journal of Oncology, 2018, 52, 19-37.	3.3	40
77	Alternative reading frame protein (ARF)-independent function of CARF (collaborator of ARF) involves its interactions with p53: evidence for a novel p53-activation pathway and its negative feedback control. Biochemical Journal, 2004, 380, 605-610.	3.7	39
78	CARF Is a Vital Dual Regulator of Cellular Senescence and Apoptosis. Journal of Biological Chemistry, 2009, 284, 1664-1672.	3.4	39
79	Stable and Nondisruptive <i>In Vitro</i>/<i>In Vivo</i> Labeling of Mesenchymal Stem Cells by Internalizing Quantum Dots. Human Gene Therapy, 2009, 20, 217-224.	2.7	39
80	Deutrium oxide, dimethylsulfoxide and heat shock confer protection against hydrostatic pressure damage in yeast. Biochemical and Biophysical Research Communications, 1991, 174, 1141-1147.	2.1	38
81	Identification and characterization of molecular interactions between glucose-regulated proteins (GRPs) mortalin/GRP75/peptide-binding protein 74 (PBP74) and GRP94. Biochemical Journal, 2001, 357, 393.	3.7	38
82	Dose and Dose-Rate Effects of Low-Dose Ionizing Radiation on Activation of Trp53 in Immortalized Murine Cells. Radiation Research, 2004, 162, 296-307.	1.5	38
83	Evaluation of the anti-proliferative and anti-oxidative activities of leaf extract from in vivo and in vitro raised Ashwagandha. Food and Chemical Toxicology, 2004, 42, 2015-2020.	3.6	38
84	LIM kinase-2 targeting as a possible anti-metastasis therapy. Journal of Gene Medicine, 2004, 6, 357-363.	2.8	37
85	Nootropic potential of Ashwagandha leaves: Beyond traditional root extracts. Neurochemistry International, 2016, 95, 109-118.	3.8	37
86	Know-how of RNA interference and its applications in research and therapy. Mutation Research - Reviews in Mutation Research, 2004, 567, 71-84.	5.5	36
87	Targeting Mortalin by Embelin Causes Activation of Tumor Suppressor p53 and Deactivation of Metastatic Signaling in Human Breast Cancer Cells. PLoS ONE, 2015, 10, e0138192.	2.5	36
88	Collaborator of ARF (CARF) Regulates Proliferative Fate of Human Cells by Dose-dependent Regulation of DNA Damage Signaling. Journal of Biological Chemistry, 2014, 289, 18258-18269.	3.4	35
89	Expression of endothelin, fibronectin, and mortalin as aging and mortality markers. Experimental Gerontology, 1997, 32, 95-103.	2.8	34
90	Gros1, a potential growth suppressor on chromosome 1: its identity to basement membrane-associated proteoglycan, leprecan. Oncogene, 2000, 19, 3576-3583.	5.9	34

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91	Ashwagandha Leaf Derived Withanone Protects Normal Human Cells Against the Toxicity of Methoxyacetic Acid, a Major Industrial Metabolite. PLoS ONE, 2011, 6, e19552.	2.5	34
92	Anticancer activity of the supercritical extract of Brazilian green propolis and its active component, artepillinÃ¯Â¿Â½C: Bioinformatics and experimental analyses of its mechanisms of action. International Journal of Oncology, 2018, 52, 925-932.	3.3	34
93	Marine Carotenoid Fucoxanthin Possesses Anti-Metastasis Activity: Molecular Evidence. Marine Drugs, 2019, 17, 338.	4.6	34
94	Water Extract of Ashwagandha Leaves Limits Proliferation and Migration, and Induces Differentiation in Glioma Cells. Evidence-based Complementary and Alternative Medicine, 2011, 2011, 1-12.	1.2	33
95	Combination of Withaferin-A and CAPE Provides Superior Anticancer Potency: Bioinformatics and Experimental Evidence to Their Molecular Targets and Mechanism of Action. Cancers, 2020, 12, 1160.	3.7	32
96	The Versatile Stress Protein Mortalin as a Chaperone Therapeutic Agent. Protein and Peptide Letters, 2009, 16, 517-529.	0.9	30
97	CARF enrichment promotes epithelialâ€"mesenchymal transition via Wnt/Î²-catenin signaling: its clinical relevance and potential as a therapeutic target. Oncogenesis, 2018, 7, 39.	4.9	30
98	Induction of Senescence in Cancer Cells by a Novel Combination of Cucurbitacin B and Withanone: Molecular Mechanism and Therapeutic Potential. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1031-1041.	3.6	30
99	Photothermogenetic inhibition of cancer stemness by near-infrared-light-activatable nanocomplexes. Nature Communications, 2020, 11, 4117.	12.8	30
100	Molecular mechanism of anti-SARS-CoV2 activity of Ashwagandha-derived withanolides. International Journal of Biological Macromolecules, 2021, 184, 297-312.	7.5	30
101	Triethylene glycol, an active component of Ashwagandha (Withania somnifera) leaves, is responsible for sleep induction. PLoS ONE, 2017, 12, e0172508.	2.5	30
102	A Major Functional Difference between the Mouse and Human ARF Tumor Suppressor Proteins. Journal of Biological Chemistry, 2002, 277, 36665-36670.	3.4	29
103	Stress Chaperones, Mortalin, and Pex19p Mediate 5-Aza-2' Deoxycytidine-Induced Senescence of Cancer Cells by DNA Methylation-Independent Pathway. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2007, 62, 246-255.	3.6	29
104	Deceleration of Senescence in Normal Human Fibroblasts by Withanone Extracted From Ashwagandha Leaves. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2009, 64A, 1031-1038.	3.6	29
105	Druggability of Mortalin for Cancer and Neuro-Degenerative Disorders. Current Pharmaceutical Design, 2013, 19, 418-429.	1.9	29
106	Novel Methods to Generate Active Ingredients-Enriched Ashwagandha Leaves and Extracts. PLoS ONE, 2016, 11, e0166945.	2.5	29
107	Expression Analysis of Mortalin, a Unique Member of the Hsp70 Family of Proteins, in Rat Tissues. Experimental Cell Research, 1997, 232, 56-63.	2.6	28
108	Fibroblast growth factor-1 interacts with the glucose-regulated protein GRP75/mortalin. Biochemical Journal, 1999, 343, 461.	3.7	28

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109	An antibody-conjugated internalizing quantum dot suitable for long-term live imaging of cells. Biochemistry and Cell Biology, 2007, 85, 133-140.	2.0	28
110	Functional Significance of Minor Structural and Expression Changes in Stress Chaperone Mortalin. Annals of the New York Academy of Sciences, 2007, 1119, 165-175.	3.8	28
111	Withania somnifera Water Extract as a Potential Candidate for Differentiation Based Therapy of Human Neuroblastomas. PLoS ONE, 2013, 8, e55316.	2.5	28
112	Experimental Evidence for Therapeutic Potentials of Propolis. Nutrients, 2021, 13, 2528.	4.1	28
113	Mouse and human chromosomal assignments of mortalin, a novel member of the murine hsp70 family of proteins. FEBS Letters, 1995, 361, 269-272.	2.8	27
114	Identification of a 55-kDa Ezrin-Related Protein That Induces Cytoskeletal Changes and Localizes to the Nucleolus. Experimental Cell Research, 1999, 250, 51-61.	2.6	27
115	Quantum Dot-Based Protein Imaging and Functional Significance of Two Mitochondrial Chaperones in Cellular Senescence and Carcinogenesis. Annals of the New York Academy of Sciences, 2006, 1067, 469-473.	3.8	27
116	Proproliferative Functions of Drosophila Small Mitochondrial Heat Shock Protein 22 in Human Cells. Journal of Biological Chemistry, 2010, 285, 3833-3839.	3.4	27
117	CARF (Collaborator of ARF) overexpression in p53â€deficient cells promotes carcinogenesis. Molecular Oncology, 2015, 9, 1877-1889.	4.6	27
118	Folic Acid Receptor-Mediated Targeting Enhances the Cytotoxicity, Efficacy, and Selectivity of Withania somnifera Leaf Extract: In vitro and in vivo Evidence. Frontiers in Oncology, 2019, 9, 602.	2.8	27
119	Genetic Differences between the Pancytosolic and Perinuclear Forms of Murine Mortalin. Experimental Cell Research, 1996, 226, 381-386.	2.6	26
120	Embelin inhibits TNF-Î± converting enzyme and cancer cell metastasis: molecular dynamics and experimental evidence. BMC Cancer, 2014, 14, 775.	2.6	26
121	Structurally and Functionally Distinct Mouse Hsp70 Family Members Mot-1 and Mot-2 Proteins are Encoded by Two Alleles. DNA Research, 2000, 7, 229-231.	3.4	25
122	Molecular characterization of apoptosis induced by CARF silencing in human cancer cells. Cell Death and Differentiation, 2011, 18, 589-601.	11.2	25
123	Molecular characterization of collaborator of ARF (CARF) as a DNA damage response and cell cycle checkpoint regulatory protein. Experimental Cell Research, 2014, 322, 324-334.	2.6	25
124	On the Cytosolic and Perinuclear Mortalin: An Insight by Heat Shock. Biochemical and Biophysical Research Communications, 1993, 193, 348-355.	2.1	24
125	Self-assembled nanodiamond supraparticles for anticancer chemotherapy. Nanoscale, 2018, 10, 8969-8978.	5.6	24
126	Wild type p53 function in p53Y220C mutant harboring cells by treatment with Ashwagandha derived anticancer withanolides: bioinformatics and experimental evidence. Journal of Experimental and Clinical Cancer Research, 2019, 38, 103.	8.6	24

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127	Cellular Mortality to Immortalization: Mortalin.. Cell Structure and Function, 1994, 19, 1-10.	1.1	23
128	Evaluation of the anti-genotoxicity of leaf extract of Ashwagandha. Food and Chemical Toxicology, 2005, 43, 95-98.	3.6	23
129	Molecular interactions of Bcl-2 and Bcl-xL with mortalin: identification and functional characterization. Bioscience Reports, 2013, 33, .	2.4	23
130	Tumor suppressor activity of miR-451: Identification of CARF as a new target. Scientific Reports, 2018, 8, 375.	3.3	22
131	Soyasapogenol-A targets CARF and results in suppression of tumor growth and metastasis in p53 compromised cancer cells. Scientific Reports, 2020, 10, 6323.	3.3	22
132	Molecular dynamics simulations and experimental studies reveal differential permeability of withaferin-A and withanone across the model cell membrane. Scientific Reports, 2021, 11, 2352.	3.3	22
133	Evaluation and Selection of Candidate Reference Genes for Normalization of Quantitative RT-PCR in Withania somnifera (L.) Dunal. PLoS ONE, 2015, 10, e0118860.	2.5	22
134	Internalizing Antibody-Based Targeted Gene Delivery for Human Cancer Cells. Human Gene Therapy, 2007, 18, 1153-1160.	2.7	21
135	Fate of bone marrow mesenchymal stem cells following the allogeneic transplantation of cartilaginous aggregates into osteochondral defects of rabbits. Journal of Tissue Engineering and Regenerative Medicine, 2011, 5, 437-443.	2.7	21
136	Rhodacyanine dye MKT-077 inhibits in vitro telomerase assay but has no detectable effects on telomerase activity in vivo. Cancer Research, 2002, 62, 4434-8.	0.9	21
137	Protein markers for cellular mortality and immortality. Mutation Research - DNAging, 1991, 256, 243-254.	3.2	20
138	CARF: An emerging regulator of p53 tumor suppressor and senescence pathway. Mechanisms of Ageing and Development, 2009, 130, 18-23.	4.6	20
139	Mortaparib, a novel dual inhibitor of mortalin and PARP1, is a potential drug candidate for ovarian and cervical cancers. Journal of Experimental and Clinical Cancer Research, 2019, 38, 499.	8.6	20
140	Novel Caffeic Acid Phenethyl Ester-Mortalin Antibody Nanoparticles Offer Enhanced Selective Cytotoxicity to Cancer Cells. Cancers, 2020, 12, 2370.	3.7	20
141	Organic cultivation of Ashwagandha with improved biomass and high content of active Withanolides: Use of Vermicompost. PLoS ONE, 2018, 13, e0194314.	2.5	19
142	Rat Glioma Cell-Based Functional Characterization of Anti-Stress and Protein Deaggregation Activities in the Marine Carotenoids, Astaxanthin and Fucoxanthin. Marine Drugs, 2019, 17, 189.	4.6	19
143	Do heat shock proteins provide protection against freezing?. FEMS Microbiology Letters, 1990, 72, 159-162.	1.8	19
144	GROWTH SUPPRESSION OF HUMAN TRANSFORMED CELLS BY TREATMENT WITH BARK EXTRACTS FROM A MEDICINAL PLANT, TERMINALIA ARJUNA. In Vitro Cellular and Developmental Biology - Animal, 2000, 36, 544.	1.5	18

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145	Use of a Randomized Hybrid Ribozyme Library for Identification of Genes Involved in Muscle Differentiation. Journal of Biological Chemistry, 2004, 279, 51622-51629.	3.4	18
146	2, 3-Dihydro-3Î²-methoxy Withaferin-A Lacks Anti-Metastasis Potency: Bioinformatics and Experimental Evidences. Scientific Reports, 2019, 9, 17344.	3.3	18
147	Mortalin antibody-conjugated quantum dot transfer from human mesenchymal stromal cells to breast cancer cells requires cellâ€“cell interaction. Experimental Cell Research, 2013, 319, 2770-2780.	2.6	17
148	Loss-of-function screening to identify miRNAs involved in senescence: tumor suppressor activity of miRNA-335 and its new target CARF. Scientific Reports, 2016, 6, 30185.	3.3	17
149	Induction of senescence in cancer cells by 5â€²-Aza-2â€²-deoxycytidine: Bioinformatics and experimental insights to its targets. Computational Biology and Chemistry, 2017, 70, 49-55.	2.3	17
150	Druggability of Mortalin for Cancer and Neuro-Degenerative Disorders. Current Pharmaceutical Design, 2012, 19, 418-429.	1.9	17
151	Enhanced expression of multiple forms of VEGF is associated with spontaneous immortalization of murine fibroblasts. Biochimica Et Biophysica Acta - Molecular Cell Research, 1994, 1224, 365-370.	4.1	16
152	Transcriptional Inactivation of p53 by Deletions and Single Amino Acid Changes in Mouse mot-1 Protein. Biochemical and Biophysical Research Communications, 2000, 279, 602-606.	2.1	16
153	Targeting of DNA Damage Signaling Pathway Induced Senescence and Reduced Migration of Cancer cells. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 701-713.	3.6	16
154	Addressing Challenges to Enhance the Bioactives of<i>Withania somnifera</i>through Organ, Tissue, and Cell Culture Based Approaches. BioMed Research International, 2017, 2017, 1-15.	1.9	16
155	Integration of conventional cell viability assays for reliable and reproducible read-outs: experimental evidence. BMC Research Notes, 2018, 11, 403.	1.4	16
156	Druggability of mortalin for cancer and neuro-degenerative disorders. Current Pharmaceutical Design, 2013, 19, 418-29.	1.9	16
157	A novel putative collaborator of p19ARF. Experimental Gerontology, 2003, 38, 245-252.	2.8	15
158	Molecular bridging of aging and cancer. Annals of the New York Academy of Sciences, 2010, 1197, 129-133.	3.8	15
159	Fate of bone marrow mesenchymal stromal cells following autologous transplantation in a rabbit model of osteonecrosis. Cytotherapy, 2016, 18, 198-204.	0.7	15
160	2,3-Dihydro-3Î²-methoxy Withaferin-A Protects Normal Cells against Stress: Molecular Evidence of Its Potent Cytoprotective Activity. Journal of Natural Products, 2017, 80, 2756-2760.	3.0	15
161	CARF is a multi-module regulator of cell proliferation and a molecular bridge between cellular senescence and carcinogenesis. Mechanisms of Ageing and Development, 2017, 166, 64-68.	4.6	15
162	Spontaneous Immortalization of Mouse Fibroblasts Involves Structural Changes in Senescence-Inducing Protein, Mortalin. Biochemical and Biophysical Research Communications, 1993, 197, 202-206.	2.1	14

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163	Glycerol stimulates innate chaperoning, proteasomal and stress-resistance functions: implications for geronto-manipulation. Biogerontology, 2008, 9, 269-282.	3.9	14
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