

Besim Ogretmen

List of Publications by Year in descending order

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109
papers

14,474
citations

34105

52
h-index

29157

104
g-index

110
all docs

110
docs citations

110
times ranked

23846
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Biologically active sphingolipids in cancer pathogenesis and treatment. <i>Nature Reviews Cancer</i> , 2004, 4, 604-616.	28.4	1,133
3	Sphingolipid metabolism in cancer signalling and therapy. <i>Nature Reviews Cancer</i> , 2018, 18, 33-50.	28.4	756
4	Ceramide targets autophagosomes to mitochondria and induces lethal mitophagy. <i>Nature Chemical Biology</i> , 2012, 8, 831-838.	8.0	402
5	De Novo Ceramide Regulates the Alternative Splicing of Caspase 9 and Bcl-x in A549 Lung Adenocarcinoma Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 12587-12595.	3.4	299
6	Sphingolipids and cancer: ceramide and sphingosine-1-phosphate in the regulation of cell death and drug resistance. <i>Future Oncology</i> , 2010, 6, 1603-1624.	2.4	275
7	Antiapoptotic roles of ceramide synthase-generated C ₁₆ -ceramide via selective regulation of the ATF6/ CHOP arm of ER stress response pathways. <i>FASEB Journal</i> , 2010, 24, 296-308.	0.5	226
8	Sphingosine analogue drug FTY720 targets I2PP2A/SET and mediates lung tumour suppression via activation of PP2A-RIPK1-dependent necroptosis. <i>EMBO Molecular Medicine</i> , 2013, 5, 105-121.	6.9	217
9	Roles of Bioactive Sphingolipids in Cancer Biology and Therapeutics. <i>Sub-Cellular Biochemistry</i> , 2008, 49, 413-440.	2.4	208
10	CD38-NAD ⁺ Axis Regulates Immunotherapeutic Anti-Tumor T Cell Response. <i>Cell Metabolism</i> , 2018, 27, 85-100.e8.	16.2	197
11	Defects in Cell Growth Regulation by C18:0-Ceramide and Longevity Assurance Gene 1 in Human Head and Neck Squamous Cell Carcinomas. <i>Journal of Biological Chemistry</i> , 2004, 279, 44311-44319.	3.4	196
12	Biochemical Mechanisms of the Generation of Endogenous Long Chain Ceramide in Response to Exogenous Short Chain Ceramide in the A549 Human Lung Adenocarcinoma Cell Line. <i>Journal of Biological Chemistry</i> , 2002, 277, 12960-12969.	3.4	193
13	Alterations of Ceramide/Sphingosine 1-Phosphate Rheostat Involved in the Regulation of Resistance to Imatinib-induced Apoptosis in K562 Human Chronic Myeloid Leukemia Cells*. <i>Journal of Biological Chemistry</i> , 2007, 282, 10922-10934.	3.4	193
14	PP2A-activating drugs selectively eradicate TKI-resistant chronic myeloid leukemic stem cells. <i>Journal of Clinical Investigation</i> , 2013, 123, 4144-4157.	8.2	192
15	Direct interaction between the inhibitor 2 and ceramide sphingolipid protein binding is involved in the regulation of protein phosphatase 2A activity and signaling. <i>FASEB Journal</i> , 2009, 23, 751-763.	0.5	189
16	Immunohistochemical Distribution of Sphingosine Kinase 1 in Normal and Tumor Lung Tissue. <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 1159-1166.	2.5	164
17	Clinical relevance of ceramide metabolism in the pathogenesis of human head and neck squamous cell carcinoma (HNSCC): Attenuation of C18-ceramide in HNSCC tumors correlates with lymphovascular invasion and nodal metastasis. <i>Cancer Letters</i> , 2007, 256, 101-111.	7.2	157
18	Involvement of Dihydroceramide Desaturase in Cell Cycle Progression in Human Neuroblastoma Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 16718-16728.	3.4	153

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19	Role of human longevity assurance gene 1 and C18-ceramide in chemotherapy-induced cell death in human head and neck squamous cell carcinomas. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 712-722.	4.1	150
20	Diverse Functions of Ceramide in Cancer Cell Death and Proliferation. <i>Advances in Cancer Research</i> , 2013, 117, 37-58.	5.0	143
21	FAS Activation Induces Dephosphorylation of SR Proteins. <i>Journal of Biological Chemistry</i> , 2001, 276, 44848-44855.	3.4	142
22	Targeting FLT3-ITD signaling mediates ceramide-dependent mitophagy and attenuates drug resistance in AML. <i>Blood</i> , 2016, 128, 1944-1958.	1.4	139
23	Communication between host organism and cancer cells is transduced by systemic sphingosine kinase 1/sphingosine 1-phosphate signalling to regulate tumour metastasis. <i>EMBO Molecular Medicine</i> , 2012, 4, 761-775.	6.9	127
24	A Phase I Study of ABC294640, a First-in-Class Sphingosine Kinase-2 Inhibitor, in Patients with Advanced Solid Tumors. <i>Clinical Cancer Research</i> , 2017, 23, 4642-4650.	7.0	124
25	Rapid Shortening of Telomere Length in Response to Ceramide Involves the Inhibition of Telomere Binding Activity of Nuclear Glyceraldehyde-3-phosphate Dehydrogenase. <i>Journal of Biological Chemistry</i> , 2004, 279, 6152-6162.	3.4	117
26	Binding of the sphingolipid S1P to hTERT stabilizes telomerase at the nuclear periphery by allosterically mimicking protein phosphorylation. <i>Science Signaling</i> , 2015, 8, ra58.	3.6	114
27	Alteration of Ceramide Synthase 6/C16-Ceramide Induces Activating Transcription Factor 6-mediated Endoplasmic Reticulum (ER) Stress and Apoptosis via Perturbation of Cellular Ca ²⁺ and ER/Golgi Membrane Network. <i>Journal of Biological Chemistry</i> , 2011, 286, 42446-42458.	3.4	108
28	Role of Ceramide in Mediating the Inhibition of Telomerase Activity in A549 Human Lung Adenocarcinoma Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 24901-24910.	3.4	106
29	Antagonistic activities of the immunomodulator and PP2A-activating drug FTY720 (Fingolimod,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	104
30	Sphingosine kinase-1 and sphingosine 1-phosphate receptor 2 mediate Bcr-Abl1 stability and drug resistance by modulation of protein phosphatase 2A. <i>Blood</i> , 2011, 117, 5941-5952.	1.4	101
31	Vorinostat and Sorafenib Increase CD95 Activation in Gastrointestinal Tumor Cells through a Ca ²⁺ -dependent Ceramide-PP2A-Reactive Oxygen Species-dependent Signaling Pathway. <i>Cancer Research</i> , 2010, 70, 6313-6324.	0.9	95
32	PERK-dependent Regulation of Ceramide Synthase 6 and Thioredoxin Play a Key Role in IL-24-induced Killing of Primary Human Glioblastoma Multiforme Cells. <i>Cancer Research</i> , 2010, 70, 1120-1129.	0.9	95
33	Ceramide induced mitophagy and tumor suppression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2834-2845.	4.1	94
34	Updates on functions of ceramide in chemotherapy-induced cell death and in multidrug resistance. <i>Drug Resistance Updates</i> , 2001, 4, 368-377.	14.4	93
35	Molecular Mechanisms of Ceramide-mediated Telomerase Inhibition in the A549 Human Lung Adenocarcinoma Cell Line. <i>Journal of Biological Chemistry</i> , 2001, 276, 32506-32514.	3.4	92
36	Inhibition of sphingosine kinase 2 downregulates the expression of c-Myc and Mcl-1 and induces apoptosis in multiple myeloma. <i>Blood</i> , 2014, 124, 1915-1925.	1.4	89

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37	Expression of the mutated p53 tumor suppressor protein and its molecular and biochemical characterization in multidrug resistant MCF-7/Adr human breast cancer cells. <i>Oncogene</i> , 1997, 14, 499-506.	5.9	88
38	Autophagy paradox and ceramide. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 783-792.	2.4	87
39	Potent Antitumor Activity of a Novel Cationic Pyridinium-Ceramide Alone or in Combination with Gemcitabine against Human Head and Neck Squamous Cell Carcinomas in Vitro and in Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 317, 1188-1199.	2.5	86
40	Negative Regulation of <i>MDR1</i> Promoter Activity in MCF-7, but Not in Multidrug Resistant MCF-7/Adr, Cells by Cross-Coupled NF- κ B/p65 and c-Fos Transcription Factors and Their Interaction with the CAAT Region. <i>Biochemistry</i> , 1999, 38, 2189-2199.	2.5	85
41	TGF- β 2 receptor I/II trafficking and signaling at primary cilia are inhibited by ceramide to attenuate cell migration and tumor metastasis. <i>Science Signaling</i> , 2017, 10, .	3.6	84
42	Sphingolipids in cancer: Regulation of pathogenesis and therapy. <i>FEBS Letters</i> , 2006, 580, 5467-5476.	2.8	78
43	Direct Binding of Glyceraldehyde 3-Phosphate Dehydrogenase to Telomeric DNA Protects Telomeres against Chemotherapy-Induced Rapid Degradation. <i>Journal of Molecular Biology</i> , 2009, 394, 789-803.	4.2	75
44	Targeting glutamine-addiction and overcoming CDK4/6 inhibitor resistance in human esophageal squamous cell carcinoma. <i>Nature Communications</i> , 2019, 10, 1296.	12.8	73
45	Pro-Survival Lipid Sphingosine-1-Phosphate Metabolically Programs T Cells to Limit Anti-tumor Activity. <i>Cell Reports</i> , 2019, 28, 1879-1893.e7.	6.4	71
46	Mechanisms of ceramide-mediated repression of the human telomerase reverse transcriptase promoter via deacetylation of Sp3 by histone deacetylase 1. <i>FASEB Journal</i> , 2007, 21, 3386-3397.	0.5	68
47	A Role of Sphingosine Kinase 1 in Head and Neck Carcinogenesis. <i>Cancer Prevention Research</i> , 2011, 4, 454-462.	1.5	68
48	Endoplasmic reticulum heat shock protein gp96 maintains liver homeostasis and promotes hepatocellular carcinogenesis. <i>Journal of Hepatology</i> , 2015, 62, 879-888.	3.7	63
49	Mechanisms of Ceramide-Dependent Cancer Cell Death. <i>Advances in Cancer Research</i> , 2018, 140, 1-25.	5.0	63
50	Results of a Phase II Trial of Gemcitabine Plus Doxorubicin in Patients with Recurrent Head and Neck Cancers: Serum C18-Ceramide as a Novel Biomarker for Monitoring Response. <i>Clinical Cancer Research</i> , 2011, 17, 6097-6105.	7.0	60
51	Folate Stress Induces Apoptosis via p53-dependent de Novo Ceramide Synthesis and Up-regulation of Ceramide Synthase 6. <i>Journal of Biological Chemistry</i> , 2013, 288, 12880-12890.	3.4	57
52	Regulation of PP2A by Sphingolipid Metabolism and Signaling. <i>Frontiers in Oncology</i> , 2014, 4, 388.	2.8	57
53	Concerted functions of HDAC1 and microRNA-574-5p repress alternatively spliced <i>ceramide synthase 1</i> expression in human cancer cells. <i>EMBO Molecular Medicine</i> , 2012, 4, 78-92.	6.9	53
54	Identification and Characterization of the MDR1 Promoter-Enhancing Factor 1 (MEF1) in the Multidrug Resistant HL60/VCR Human Acute Myeloid Leukemia Cell Line. <i>Biochemistry</i> , 2000, 39, 194-204.	2.5	49

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55	Regulation of the sphingosine-recycling pathway for ceramide generation by oxidative stress, and its role in controlling c-Myc/Max function. <i>Biochemical Journal</i> , 2006, 393, 513-521.	3.7	49
56	Ceramide synthesis regulates T cell activity and GVHD development. <i>JCI Insight</i> , 2017, 2, .	5.0	49
57	Inhibition of growth and telomerase activity by novel cationic ceramide analogs with high solubility in human head and neck squamous cell carcinoma cells. <i>Otolaryngology - Head and Neck Surgery</i> , 2005, 132, 55-62.	1.9	48
58	Plasma Sphingolipids and Lung Cancer: A Population-Based, Nested Caseâ€“Control Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2013, 22, 1374-1382.	2.5	48
59	LCL124, a Cationic Analog of Ceramide, Selectively Induces Pancreatic Cancer Cell Death by Accumulating in Mitochondria. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 344, 167-178.	2.5	47
60	Sp1/Sp3-dependent Regulation of Human Telomerase Reverse Transcriptase Promoter Activity by the Bioactive Sphingolipid Ceramide. <i>Journal of Biological Chemistry</i> , 2005, 280, 28867-28876.	3.4	45
61	The Role of Ceramide Metabolism and Signaling in the Regulation of Mitophagy and Cancer Therapy. <i>Cancers</i> , 2021, 13, 2475.	3.7	45
62	Ceramide stress in survival versus lethal autophagy paradox. <i>Autophagy</i> , 2013, 9, 258-259.	9.1	44
63	<sc>HPV</sc>/E7 induces chemotherapyâ€“mediated tumor suppression by ceramideâ€“dependent mitophagy. <i>EMBO Molecular Medicine</i> , 2017, 9, 1030-1051.	6.9	44
64	A New Mixed-Backbone Oligonucleotide against Glucosylceramide Synthase Sensitizes Multidrug-Resistant Tumors to Apoptosis. <i>PLoS ONE</i> , 2009, 4, e6938.	2.5	42
65	CerS6 Is a Novel Transcriptional Target of p53 Protein Activated by Non-genotoxic Stress. <i>Journal of Biological Chemistry</i> , 2016, 291, 16586-16596.	3.4	42
66	Sphingosine Kinase/Sphingosine 1-Phosphate Signaling in Cancer Therapeutics and Drug Resistance. <i>Handbook of Experimental Pharmacology</i> , 2013, , 3-27.	1.8	40
67	S.Âpombe Uba1-Ubc15 Structure Reveals a Novel Regulatory Mechanism of Ubiquitin E2 Activity. <i>Molecular Cell</i> , 2017, 65, 699-714.e6.	9.7	40
68	Mitochondrial protein import is regulated by p17/PERMIT to mediate lipid metabolism and cellular stress. <i>Science Advances</i> , 2019, 5, eaax1978.	10.3	39
69	Off-Target Function of the Sonic Hedgehog Inhibitor Cyclopamine in Mediating Apoptosis via Nitric Oxideâ€“Dependent Neutral Sphingomyelinase 2/Ceramide Induction. <i>Molecular Cancer Therapeutics</i> , 2012, 11, 1092-1102.	4.1	38
70	Involvement of endogenous ceramide in the inhibition of telomerase activity and induction of morphologic differentiation in response to all-trans-retinoic acid in human neuroblastoma cells. <i>Archives of Biochemistry and Biophysics</i> , 2003, 419, 110-119.	3.0	37
71	Ageing-dependent mitochondrial dysfunction mediated by ceramide signaling inhibits antitumor TÂcell response. <i>Cell Reports</i> , 2021, 35, 109076.	6.4	35
72	Co-ordinated over-expression of the MRP and Î³-glutamylcysteine synthetase genes, but not MRD1, correlates with doxorubicin resistance in human malignant mesothelioma cell lines. , 1998, 75, 757-761.		34

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73	Molecular Mechanisms of Loss of β 2-Microglobulin Expression in Drug-Resistant Breast Cancer Sublines and Its Involvement in Drug Resistance. <i>Biochemistry</i> , 1998, 37, 11679-11691.	2.5	33
74	Expression of Ceramide Synthase 6 Transcriptionally Activates Acid Ceramidase in a c-Jun N-terminal Kinase (JNK)-dependent Manner. <i>Journal of Biological Chemistry</i> , 2015, 290, 13157-13167.	3.4	31
75	The NMR-based characterization of the FTY720-SET complex reveals an alternative mechanism for the attenuation of the inhibitory SET-PP2A interaction. <i>FASEB Journal</i> , 2019, 33, 7647-7666.	0.5	30
76	Regulation of Telomere Length by Fatty Acid Elongase 3 in Yeast. <i>Journal of Biological Chemistry</i> , 2008, 283, 27514-27524.	3.4	29
77	Sphingosine Kinase-2 Maintains Viral Latency and Survival for KSHV-Infected Endothelial Cells. <i>PLoS ONE</i> , 2014, 9, e102314.	2.5	28
78	Ceramide Synthase 6 Deficiency Enhances Inflammation in the DSS model of Colitis. <i>Scientific Reports</i> , 2018, 8, 1627.	3.3	28
79	Balance between senescence and apoptosis is regulated by telomere damage-induced association between p16 and caspase-3. <i>Journal of Biological Chemistry</i> , 2018, 293, 9784-9800.	3.4	28
80	Thioredoxin-1 improves the immunometabolic phenotype of antitumor T cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 9198-9212.	3.4	28
81	Alterations of lipid metabolism provide serologic biomarkers for the detection of asymptomatic versus symptomatic COVID-19 patients. <i>Scientific Reports</i> , 2021, 11, 14232.	3.3	28
82	Thioredoxin-1 confines T cell alloresponse and pathogenicity in graft-versus-host disease. <i>Journal of Clinical Investigation</i> , 2019, 129, 2760-2774.	8.2	28
83	Sorafenib and pemetrexed toxicity in cancer cells is mediated via SRC-ERK signaling. <i>Cancer Biology and Therapy</i> , 2012, 13, 793-803.	3.4	27
84	Targeting Sphingolipid Metabolism as a Therapeutic Strategy in Cancer Treatment. <i>Cancers</i> , 2022, 14, 2183.	3.7	27
85	Adoptive Transfer of Ceramide Synthase 6 Deficient Splenocytes Reduces the Development of Colitis. <i>Scientific Reports</i> , 2017, 7, 15552.	3.3	24
86	Complement C3a and C5a receptors promote GVHD by suppressing mitophagy in recipient dendritic cells. <i>JCI Insight</i> , 2018, 3, .	5.0	22
87	Smoking-induced control of miR-133a-3p alters the expression of EGFR and HuR in HPV-infected oropharyngeal cancer. <i>PLoS ONE</i> , 2018, 13, e0205077.	2.5	22
88	Receptor-interacting Ser/Thr kinase 1 (RIPK1) and myosin IIA-dependent ceramidosomes form membrane pores that mediate blebbing and necroptosis. <i>Journal of Biological Chemistry</i> , 2019, 294, 502-519.	3.4	19
89	Solenopsin A and analogs exhibit ceramide-like biological activity. <i>Vascular Cell</i> , 2015, 7, 5.	0.2	18
90	The Evolution of Care of Cancers of the Head and Neck Region: State of the Science in 2020. <i>Cancers</i> , 2020, 12, 1543.	3.7	18

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91	Ceramide Synthase 6 Maximizes p53 Function to Prevent Progeny Formation from Polyploid Giant Cancer Cells. <i>Cancers</i> , 2021, 13, 2212.	3.7	17
92	Targeting Acid Ceramidase to Improve the Radiosensitivity of Rectal Cancer. <i>Cells</i> , 2020, 9, 2693.	4.1	14
93	Comparative analysis of antibodies to SARS-CoV-2 between asymptomatic and convalescent patients. <i>IScience</i> , 2021, 24, 102489.	4.1	11
94	Ceramide synthase 6 impacts T-cell allogeneic response and graft-versus-host disease through regulating N-RAS/ERK pathway. <i>Leukemia</i> , 2022, 36, 1907-1915.	7.2	7
95	Dependence of ABCB1 transporter expression and function on distinct sphingolipids generated by ceramide synthases-2 and -6 in chemoresistant renal cancer. <i>Journal of Biological Chemistry</i> , 2022, 298, 101492.	3.4	6
96	Ceramide synthase 6 mediates sex-specific metabolic response to dietary folic acid in mice. <i>Journal of Nutritional Biochemistry</i> , 2021, 98, 108832.	4.2	5
97	Lack of correlation of MRP and \hat{I}^3 -glutamylcysteine synthetase overexpression with doxorubicin resistance due to increased apoptosis in SV40 large T-antigen-transformed human mesothelial cells. <i>Cancer Chemotherapy and Pharmacology</i> , 1998, 42, 441-446.	2.3	3
98	EXTH-51. C18-CERAMIDE ANALOGUE DRUG OVERCOMES RESISTANCE TO TEMOZOLOMIDE IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2018, 20, vi96-vi96.	1.2	3
99	FTY720 but Not Its Immunosuppressive Phosphorylated Form FTY720-P Exerts Anti-Leukemic Activity towards Ph(+) and Ph(\hat{a}) Myeloproliferative Disorders through Reactivation of the PP2A Tumor Suppressor.. <i>Blood</i> , 2009, 114, 3259-3259.	1.4	3
100	FTY720 Restores PP2A Tumor Suppressor Activity in Polycythemia Vera CD34+ Progenitors Through Inhibition of Jak2 V617F- and PI-3K \hat{I}^3 -Dependent SET Serine Phosphorylation and Enhancement of NOS-Dependent PP2A Tyrosine Nitration. <i>Blood</i> , 2011, 118, 2494-2494.	1.4	3
101	Immunoprecipitation of Human Telomerase Reverse Transcriptase with Telomerase Activity. <i>Analytical Biochemistry</i> , 2001, 291, 166-169.	2.4	2
102	Pharmacologic Restoration of PP2A Activity and Interference with the SET-PP2A Interplay by FTY720 and Its Non-Immunosuppressive Derivative as a Novel and Efficient Therapy for Ph-Negative Myeloproliferative Disorders. <i>Blood</i> , 2010, 116, 775-775.	1.4	2
103	Dietary Folic Acid Alters Metabolism of Multiple Vitamins in a CerS6- and Sex-Dependent Manner. <i>Frontiers in Nutrition</i> , 2021, 8, 758403.	3.7	2
104	1HN, 13C, and 15N backbone resonance assignments of the SET/TAF-1 \hat{I}^2 /I2PP2A oncoprotein (residues) Tj ETQq0 0.0 rgBT /Overlock 10	0.8	1
105	Targeting Sphingosine Kinase Induces Apoptosis and Regression Of Virus-Associated Lymphoma In Vivo. <i>Blood</i> , 2013, 122, 4414-4414.	1.4	0
106	Regulation of TGF \hat{a} €Beta Receptor Signaling and Cell Migration by Ceramide Metabolism. <i>FASEB Journal</i> , 2015, 29, 715.7.	0.5	0
107	Targeting tyrosine phosphatase SHP2 in oral cancers. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
108	S1P/S1PR1 Signalis Required for Optimal T-Cell Pathogenicity to Induce Gvhd By RegulatingDrp1/mTOR Axis. <i>Blood</i> , 2021, 138, 643-643.	1.4	0

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109	Pro-survival lipid metabolism activates intracellular complement signaling to induce inflammasome-mediated tumor metastasis. FASEB Journal, 2022, 36, .	0.5	0