

Katrin Sak

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90 papers	2,880 citations	26 h-index	52 g-index
99 ext. papers	3,679 ext. citations	4.4 avg, IF	6.1 L-index

#	Paper	IF	Citations
90	STAT signaling as a target for intervention: from cancer inflammation and angiogenesis to non-coding RNAs modulation.. <i>Molecular Biology Reports</i> , 2022 , 1	2.8	0
89	Gallic acid: a dietary polyphenol that exhibits anti-neoplastic activities by modulating multiple oncogenic targets. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021 ,	2.2	3
88	Molecular mechanisms underlying chemopreventive potential of butein: Current trends and future perspectives. <i>Chemico-Biological Interactions</i> , 2021 , 350, 109699	5	2
87	Deguelin targets multiple oncogenic signaling pathways to combat human malignancies. <i>Pharmacological Research</i> , 2021 , 166, 105487	10.2	8
86	Emodin: A metabolite that exhibits anti-neoplastic activities by modulating multiple oncogenic targets. <i>Toxicology in Vitro</i> , 2021 , 73, 105142	3.6	6
85	Path of Silibinin from diet to medicine: A dietary polyphenolic flavonoid having potential anti-cancer therapeutic significance. <i>Seminars in Cancer Biology</i> , 2021 , 73, 196-218	12.7	15
84	Natural product-based nanoformulations for cancer therapy: Opportunities and challenges. <i>Seminars in Cancer Biology</i> , 2021 , 69, 5-23	12.7	129
83	Role of semisynthetic flavonoids on cytotoxic chemotherapyDual benefit to cancer patients? 2021 , 479-490		
82	Cancer preventive role of olives and olive oil via modulation of apoptosis and nuclear factor-kappa B activation 2021 , 377-388		
81	Mechanistic insight into anti-COVID-19 drugs: recent trends and advancements. <i>3 Biotech</i> , 2021 , 11, 110	2.8	2
80	Xanthohumol: A Metabolite with Promising Anti-Neoplastic Potential. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021 ,	2.2	2
79	NOTCH signaling: Journey of an evolutionarily conserved pathway in driving tumor progression and its modulation as a therapeutic target. <i>Critical Reviews in Oncology/Hematology</i> , 2021 , 164, 103403	7	4
78	Molecular Evolution of Severe Acute Respiratory Syndrome Coronavirus 2: Hazardous and More Hazardous Strains Behind the Coronavirus Disease 2019 Pandemic and Their Targeting by Drugs and Vaccines.. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 763687	5.9	1
77	Anti-Inflammatory and Anticancer Properties of Birch Bark-Derived Betulin: Recent Developments.. <i>Plants</i> , 2021 , 10,	4.5	1
76	Galangin: A metabolite that suppresses anti-neoplastic activities through modulation of oncogenic targets.. <i>Experimental Biology and Medicine</i> , 2021 , 15353702211062510	3.7	0
75	Molecular mechanisms of action of epigallocatechin gallate in cancer: Recent trends and advancement. <i>Seminars in Cancer Biology</i> , 2020 ,	12.7	44
74	Garcinol Exhibits Anti-Neoplastic Effects by Targeting Diverse Oncogenic Factors in Tumor Cells. <i>Biomedicines</i> , 2020 , 8,	4.8	21

73	Molecular mechanisms of action of hesperidin in cancer: Recent trends and advancements. <i>Experimental Biology and Medicine</i> , 2020 , 245, 486-497	3.7	53
72	History of Oncotherapies in Cancer Biology 2020 , 1-13		1
71	Nanoformulations of Coumarins and the Hybrid Molecules of Coumarins with Potential Anticancer Effects. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020 , 20, 1797-1816	2.2	12
70	Designing Personalized and Innovative Novel Drug Therapies for Cancer Treatment 2020 , 213-228		2
69	Radiosensitizing Potential of Curcumin in Different Cancer Models. <i>Nutrition and Cancer</i> , 2020 , 72, 1276-1289	1.889	8
68	Baicalein: A metabolite with promising antineoplastic activity. <i>Life Sciences</i> , 2020 , 259, 118183	6.8	17
67	COVID-19 Pandemic: from Molecular Biology, Pathogenesis, Detection, and Treatment to Global Societal Impact. <i>Current Pharmacology Reports</i> , 2020 , 6, 1-16	5.5	21
66	Antioxidant Phytoconstituents From Wall. (Boraginaceae) Ameliorate the CCl Induced Hepatic Damage: Study in Male Wistar Rats. <i>Frontiers in Pharmacology</i> , 2020 , 11, 1301	5.6	10
65	Probing into Therapeutic Anti-cancer Potential of Apigenin: Recent Trends and Future Directions. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , 2019 , 13, 124-133	5.4	16
64	Fisetin and Quercetin: Promising Flavonoids with Chemopreventive Potential. <i>Biomolecules</i> , 2019 , 9,	5.9	82
63	Molecular Mechanisms of Action of Tocotrienols in Cancer: Recent Trends and Advancements. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	48
62	Role of Reactive Oxygen Species in Cancer Progression: Molecular Mechanisms and Recent Advancements. <i>Biomolecules</i> , 2019 , 9,	5.9	390
61	A Hypothetical Approach on Gender Differences in Cancer Diagnosis. <i>Journal of Translational Internal Medicine</i> , 2019 , 7, 90-92	3	10
60	Role of Reactive Oxygen Species in Cancer Progression. <i>Current Pharmacology Reports</i> , 2019 , 5, 79-86	5.5	22
59	Molecular Mechanisms of Action of Genistein in Cancer: Recent Advances. <i>Frontiers in Pharmacology</i> , 2019 , 10, 1336	5.6	116
58	Ophiocordyceps sinensis 2019 , 527-537		
57	Therapeutic charm of quercetin and its derivatives: a review of research and patents. <i>Pharmaceutical Patent Analyst</i> , 2018 , 7, 15-32	0.6	58
56	Apigenin: A natural bioactive flavone-type molecule with promising therapeutic function. <i>Journal of Functional Foods</i> , 2018 , 48, 457-471	5.1	51

55	Molecular targets of celastrol in cancer: Recent trends and advancements. <i>Critical Reviews in Oncology/Hematology</i> , 2018 , 128, 70-81	7	71
54	Cytotoxic action of methylquercetins in human lung adenocarcinoma cells. <i>Oncology Letters</i> , 2018 , 15, 1973-1978	2.6	6
53	Fisetin: A bioactive phytochemical with potential for cancer prevention and pharmacotherapy. <i>Life Sciences</i> , 2018 , 194, 75-87	6.8	72
52	Suppression of Taxanes Cytotoxicity by Citrus Flavonoid Hesperetin in PPC-1 Human Prostate Cancer Cells. <i>Anticancer Research</i> , 2018 , 38, 6209-6215	2.3	11
51	Kaempferol - A dietary anticancer molecule with multiple mechanisms of action: Recent trends and advancements. <i>Journal of Functional Foods</i> , 2017 , 30, 203-219	5.1	109
50	Intake of Individual Flavonoids and Risk of Carcinogenesis: Overview of Epidemiological Evidence. <i>Nutrition and Cancer</i> , 2017 , 69, 1119-1150	2.8	11
49	Anticancer Action of Sulfated Flavonoids as Phase II Metabolites 2017 , 207-236		1
48	Cytotoxic effect of chamomile (<i>Matricaria recutita</i>) and marigold (<i>Calendula officinalis</i>) extracts on human melanoma SK-MEL-2 and epidermoid carcinoma KB cells. <i>Cogent Medicine</i> , 2017 , 4, 1333218	1.4	7
47	The Val158Met polymorphism in COMT gene and cancer risk: role of endogenous and exogenous catechols. <i>Drug Metabolism Reviews</i> , 2017 , 49, 56-83	7	22
46	Mechanistic insight into carnosol-mediated pharmacological effects: Recent trends and advancements. <i>Life Sciences</i> , 2017 , 169, 27-36	6.8	38
45	Epidemiological Evidences on Dietary Flavonoids and Breast Cancer Risk: A Narrative Review. <i>Asian Pacific Journal of Cancer Prevention</i> , 2017 , 18, 2309-2328	1.7	10
44	CURRENT EPIDEMIOLOGICAL KNOWLEDGE ABOUT THE ROLE OF FLAVONOIDS IN PROSTATE CARCINOGENESIS. <i>Experimental Oncology</i> , 2017 , 39, 98-105	0.8	8
43	Molecular mechanisms of action of quercetin in cancer: recent advances. <i>Tumor Biology</i> , 2016 , 37, 12927-12939	2.9	71
42	Distinctive Genetic Profile With IDH1, TP53, and MLH1 Mutations in a Radiation-Induced Anaplastic Astrocytoma. <i>Pediatric Blood and Cancer</i> , 2016 , 63, 179	3	0
41	Molecular mechanisms underlying chemopreventive potential of curcumin: Current challenges and future perspectives. <i>Life Sciences</i> , 2016 , 148, 313-28	6.8	79
40	Sulfotransferase 1A1 as a Biomarker for Susceptibility to Carcinogenesis: From Molecular Genetics to the Role of Dietary Flavonoids. <i>Current Drug Metabolism</i> , 2016 , 17, 528-41	3.5	7
39	Nanotechnological approach to improve the bioavailability of dietary flavonoids with chemopreventive and anticancer properties 2016 , 427-479		
38	Potential of luteolin cytotoxicity by flavonols fisetin and quercetin in human chronic lymphocytic leukemia cell lines. <i>Food and Function</i> , 2016 , 7, 3815-24	6.1	18

37	A new lignan glycoside from the aerial parts and cytotoxic investigation of <i>Uvaria rufa</i> . <i>Natural Product Research</i> , 2015 , 29, 247-52	2.3	13
36	In vitro Cytotoxic Activity of Flavonoids on Human Ovarian Cancer Cell Lines 2015 , 2,		10
35	Role of flavonoids in future anticancer therapy by eliminating the cancer stem cells. <i>Current Stem Cell Research and Therapy</i> , 2015 , 10, 271-82	3.6	21
34	Chemomodulating Effects of Flavonoids in Human Leukemia Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2015 , 15, 1112-26	2.2	6
33	Multi-Target Cytotoxic Actions of Flavonoids in Blood Cancer Cells. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015 , 16, 4843-7	1.7	7
32	Site-specific anticancer effects of dietary flavonoid quercetin. <i>Nutrition and Cancer</i> , 2014 , 66, 177-93	2.8	110
31	Estonian folk traditional experiences on natural anticancer remedies: from past to the future. <i>Pharmaceutical Biology</i> , 2014 , 52, 855-66	3.8	27
30	Dependence of DPPH radical scavenging activity of dietary flavonoid quercetin on reaction environment. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014 , 14, 494-504	3.2	15
29	Cytotoxicity of dietary flavonoids on different human cancer types. <i>Pharmacognosy Reviews</i> , 2014 , 8, 122-46	2.4	282
28	Characteristic features of cytotoxic activity of flavonoids on human cervical cancer cells. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014 , 15, 8007-19	1.7	17
27	Ace I/D polymorphism is associated with habitual physical activity in pubertal boys. <i>Journal of Physiological Sciences</i> , 2013 , 63, 427-34	2.3	4
26	Analysis of NADP ⁺ -dependent isocitrate dehydrogenase-1/2 gene mutations in pediatric brain tumors: report of a secondary anaplastic astrocytoma carrying the IDH1 mutation. <i>Journal of Neuro-Oncology</i> , 2012 , 109, 477-84	4.8	11
25	Chemotherapy and dietary phytochemical agents. <i>Chemotherapy Research and Practice</i> , 2012 , 2012, 282570	5.70	143
24	Genetic assessment following increased nuchal translucency and normal karyotype. <i>Prenatal Diagnosis</i> , 2011 , 31, 307-10	3.2	34
23	Evaluation of the 124-plex SNP typing microarray for forensic testing. <i>Forensic Science International: Genetics</i> , 2009 , 4, 43-8	4.3	25
22	Neuronal and glial cell lines as model systems for studying P2Y receptor pharmacology. <i>Neurochemistry International</i> , 2005 , 47, 401-12	4.4	25
21	Synthesis of pyridoxal phosphate derivatives with antagonist activity at the P2Y ₁₃ receptor. <i>Biochemical Pharmacology</i> , 2005 , 70, 266-74	6	81
20	The nucleotide receptor P2Y ₁₃ is a key regulator of hepatic high-density lipoprotein (HDL) endocytosis. <i>Cellular and Molecular Life Sciences</i> , 2005 , 62, 2508-15	10.3	88

19	Nongenomic effects of 17beta-estradiol--diversity of membrane binding sites. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2004 , 88, 323-35	5.1	31
18	Involvement of P2Y receptors in the differentiation of haematopoietic cells. <i>Journal of Leukocyte Biology</i> , 2003 , 73, 442-7	6.5	36
17	Strain effect on descriptors for ATP and ADP derivatives with modified phosphate groups. <i>Computers & Chemistry</i> , 2002 , 26, 341-6		2
16	A retrospective of recombinant P2Y receptor subtypes and their pharmacology. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 397, 131-6	4.1	61
15	Pharmacological characterisation of pyrimidinoceptor responses in NG108-15 cells. <i>European Journal of Pharmacology</i> , 2001 , 415, 127-33	5.3	13
14	Peptide phosphorylation by calcium-dependent protein kinase from maize seedlings. <i>FEBS Journal</i> , 2000 , 267, 337-43		27
13	P2Y-receptor-ligand database. <i>Trends in Biochemical Sciences</i> , 2000 , 25, 35	10.3	4
12	Dual effect of nucleotides on P2Y receptors. <i>IUBMB Life</i> , 2000 , 50, 99-103	4.7	6
11	Dual Effect of Nucleotides on P2Y Receptors. <i>IUBMB Life</i> , 2000 , 50, 99-103	4.7	6
10	Phosphate-substituted ATP analogs are antagonists at human P2Y1 purinoceptors. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 381, 171-2	4.1	3
9	Adenosine-derived non-phosphate antagonists for P2Y(1) purinoceptors. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 272, 327-31	3.4	12
8	Adenosine triphosphate is full antagonist at human P2Y(1) purinoceptors. <i>Neuroscience Letters</i> , 2000 , 284, 179-81	3.3	10
7	Are P2Y1 purinoceptors expressed in turkey erythrocytes?. <i>Neuroscience Letters</i> , 2000 , 293, 78-80	3.3	4
6	Differential Specificity of Protein Kinases A and C in Reaction with Synthetic Peptides. <i>Bioorganic Chemistry</i> , 1999 , 27, 189-196	5.1	1
5	Modeling of the Amino Acid Side Chain Effects on Peptide Conformation. <i>Bioorganic Chemistry</i> , 1999 , 27, 434-442	5.1	11
4	Only pyrimidinoceptors are functionally expressed in mouse neuroblastoma cell lines. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 1999 , 1, 203-8		7
3	Quantum chemical modelling of the effect of proline residues on peptide conformation 1998 , 66, 391-396		5
2	Pyrimidinoceptor potentiation by ATP in NG108-15 cells. <i>FEBS Letters</i> , 1998 , 439, 107-9	3.8	6

- 1 Quantitative Structure-Activity Relationships in the Protein Kinase C Reaction with Synthetic Peptides Derived from Myelin Basic Protein. *Bioorganic Chemistry*, **1996**, 24, 159-168 5.1 2