Frank Arfuso

List of Publications by Year
in descending order

125 papers	9,224 citations	34016 52 h-index	45213 90 g-index
127 all docs	127 docs citations	127 times ranked	12623 citing authors

#	Article	IF	Citations
1	The Role of Resveratrol in Cancer Therapy. International Journal of Molecular Sciences, 2017, 18, 2589.	1.8	503
2	Dual role of autophagy in hallmarks of cancer. Oncogene, 2018, 37, 1142-1158.	2.6	403
3	The Multifaceted Role of Curcumin in Cancer Prevention and Treatment. Molecules, 2015, 20, 2728-2769.	1.7	369
4	Antioxidant response elements: Discovery, classes, regulation and potential applications. Redox Biology, 2018, 17, 297-314.	3.9	324
5	Ageing and the telomere connection: An intimate relationship with inflammation. Ageing Research Reviews, 2016, 25, 55-69.	5.0	280
6	Targeting transcription factor STAT3 for cancer prevention and therapy. , 2016, 162, 86-97.		225
7	Cancer prevention and therapy through the modulation of transcription factors by bioactive natural compounds. Seminars in Cancer Biology, 2016, 40-41, 35-47.	4.3	178
8	Pro-Apoptotic and Anti-Cancer Properties of Diosgenin: A Comprehensive and Critical Review. Nutrients, 2018, 10, 645.	1.7	178
9	Analysis of the intricate relationship between chronic inflammation and cancer. Biochemical Journal, 2015, 468, 1-15.	1.7	172
10	Potential Role of Natural Compounds as Anti-Angiogenic Agents in Cancer. Current Vascular Pharmacology, 2017, 15, 503-519.	0.8	171
11	Nutrient regulation of insulin secretion and action. Journal of Endocrinology, 2014, 221, R105-R120.	1.2	170
12	NF-Î¹B in cancer therapy. Archives of Toxicology, 2015, 89, 711-731.	1.9	169
13	Targeting TNF-related apoptosis-inducing ligand (TRAIL) receptor by natural products as a potential therapeutic approach for cancer therapy. Experimental Biology and Medicine, 2015, 240, 760-773.	1.1	166
14	Evidence for the Involvement of the Master Transcription Factor NF-Î¹B in Cancer Initiation and Progression. Biomedicines, 2018, 6, 82.	1.4	161
15	Cancer stem cell metabolism: a potential target for cancer therapy. Molecular Cancer, 2016, 15, 69.	7.9	154
16	Triple negative breast cancer in Asia: An insiderâ€™s view. Cancer Treatment Reviews, 2018, 62, 29-38.	3.4	148
17	Formononetin-induced oxidative stress abrogates the activation of STAT3/5 signaling axis and suppresses the tumor growth in multiple myeloma preclinical model. Cancer Letters, 2018, 431, 123-141.	3.2	148
18	Targeting the PI3K/Akt signaling pathway in gastric carcinoma: A reality for personalized medicine?. World Journal of Gastroenterology, 2015, 21, 12261.	1.4	146

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19	Nimbolide-Induced Oxidative Stress Abrogates STAT3 Signaling Cascade and Inhibits Tumor Growth in Transgenic Adenocarcinoma of Mouse Prostate Model. Antioxidants and Redox Signaling, 2016, 24, 575-589.	2.5	146
20	Isorhamnetin augments the anti-tumor effect of capeciatbine through the negative regulation of NF-Î¹B signaling cascade in gastric cancer. Cancer Letters, 2015, 363, 28-36.	3.2	143
21	Thymoquinone Inhibits Bone Metastasis of Breast Cancer Cells Through Abrogation of the CXCR4 Signaling Axis. Frontiers in Pharmacology, 2018, 9, 1294.	1.6	141
22	Dysregulation of Nrf2 in Hepatocellular Carcinoma: Role in Cancer Progression and Chemoresistance. Cancers, 2018, 10, 481.	1.7	135
23	Honokiol for cancer therapeutics: A traditional medicine that can modulate multiple oncogenic targets. Pharmacological Research, 2019, 144, 192-209.	3.1	131
24	Therapeutic potential of gambogic acid, a caged xanthone, to target cancer. Cancer Letters, 2018, 416, 75-86.	3.2	120
25	Granulosa Cell Apoptosis in the Ovarian Follicleâ€"A Changing View. Frontiers in Endocrinology, 2018, 9, 61.	1.5	115
26	Focus on Formononetin: Anticancer Potential and Molecular Targets. Cancers, 2019, 11, 611.	1.7	111
27	Potential of Zerumbone as an Anti-Cancer Agent. Molecules, 2019, 24, 734.	1.7	111
28	Butein in health and disease: A comprehensive review. Phytomedicine, 2017, 25, 118-127.	2.3	110
29	Possible use of Punica granatum (Pomegranate) in cancer therapy. Pharmacological Research, 2018, 133, 53-64.	3.1	110
30	Potential role of genipin in cancer therapy. Pharmacological Research, 2018, 133, 195-200.	3.1	98
31	Targeting multiple oncogenic pathways for the treatment of hepatocellular carcinoma. Targeted Oncology, 2017, 12, 1-10.	1.7	94
32	The Role of Signal Transducer and Activator of Transcription 3 (STAT3) and Its Targeted Inhibition in Hematological Malignancies. Cancers, 2018, 10, 327.	1.7	94
33	The Role of Wnt Signalling in Angiogenesis. Clinical Biochemist Reviews, 2017, 38, 131-142.	3.3	92
34	Novel tumor necrosis factor-Î± induced protein eight (TNFAIP8/TIPE) family: Functions and downstream targets involved in cancer progression. Cancer Letters, 2018, 432, 260-271.	3.2	91
35	Cancer stem-like cells from head and neck cancers are chemosensitized by the Wnt antagonist, sFRP4, by inducing apoptosis, decreasing stemness, drug resistance and epithelial to mesenchymal transition. Cancer Gene Therapy, 2014, 21, 381-388.	2.2	90
36	Role of novel histone modifications in cancer. Oncotarget, 2018, 9, 11414-11426.	0.8	88

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37	Ascochlorin Enhances the Sensitivity of Doxorubicin Leading to the Reversal of Epithelial-to-Mesenchymal Transition in Hepatocellular Carcinoma. Molecular Cancer Therapeutics, 2016, 15, 2966-2976.	1.9	86
38	Multi-lineage differentiation of mesenchymal stem cells â€“ To Wnt, or not Wnt. International Journal of Biochemistry and Cell Biology, 2015, 68, 139-147.	1.2	85
39	Oleuropein induces apoptosis via abrogating NFâ€ÎºB activation cascade in estrogen receptorâ€“negative breast cancer cells. Journal of Cellular Biochemistry, 2019, 120, 4504-4513.	1.2	85
40	Secreted frizzled related proteins: Implications in cancers. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1845, 53-65.	3.3	84
41	A novel benzimidazole derivative, MBIC inhibits tumor growth and promotes apoptosis via activation of ROS-dependent JNK signaling pathway in hepatocellular carcinoma. Oncotarget, 2017, 8, 12831-12842.	0.8	82
42	Potential Anti-Inflammatory and Anti-Cancer Properties of Farnesol. Molecules, 2018, 23, 2827.	1.7	82
43	Secreted Frizzled-Related Protein 4. American Journal of Pathology, 2010, 176, 1505-1516.	1.9	78
44	The expanding roles of long non-coding RNAs in the regulation of cancer stem cells. International Journal of Biochemistry and Cell Biology, 2019, 108, 17-20.	1.2	78
45	Growth hormone during inÂvitro fertilization in older women modulates the density of receptors inÂgranulosa cells, with improved pregnancy outcomes. Fertility and Sterility, 2018, 110, 1298-1310.	0.5	76
46	Aberrant lipid metabolism as an emerging therapeutic strategy to target cancer stem cells. Stem Cells, 2020, 38, 6-14.	1.4	74
47	The Emerging Role of Long Non-Coding RNAs in the Metastasis of Hepatocellular Carcinoma. Biomolecules, 2020, 10, 66.	1.8	69
48	NGAL is Downregulated in Oral Squamous Cell Carcinoma and Leads to Increased Survival, Proliferation, Migration and Chemoresistance. Cancers, 2018, 10, 228.	1.7	65
49	Anti-cancer effects of oxymatrine are mediated through multiple molecular mechanism(s) in tumor models. Pharmacological Research, 2019, 147, 104327.	3.1	64
50	â€˜Lncâ€™â€¦ing Wnt in female reproductive cancers: therapeutic potential of long nonâ€coding RNAs in Wnt signalling. British Journal of Pharmacology, 2017, 174, 4684-4700.	2.7	62
51	TIPE Family of Proteins and Its Implications in Different Chronic Diseases. International Journal of Molecular Sciences, 2018, 19, 2974.	1.8	58
52	Modulation of diverse oncogenic transcription factors by thymoquinone, an essential oil compound isolated from the seeds of Nigella sativa Linn. Pharmacological Research, 2018, 129, 357-364.	3.1	54
53	Stemness, Pluripotentiality, and Wnt Antagonism: sFRP4, a Wnt antagonist Mediates Pluripotency and Stemness in Glioblastoma. Cancers, 2019, 11, 25.	1.7	54
54	Secreted Frizzled-Related Protein 4 Inhibits Glioma Stem-Like Cells by Reversing Epithelial to Mesenchymal Transition, Inducing Apoptosis and Decreasing Cancer Stem Cell Properties. PLoS ONE, 2015, 10, e0127517.	1.1	53

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55	Molecular targets and anti-cancer potential of escin. Cancer Letters, 2018, 422, 1-8.	3.2	52
56	Evidence for Lymphatics in the Developing and Adult Human Choroid. Investigative Ophthalmology and Visual Science, 2015, 56, 1310-1327.	3.3	51
57	Role of Natural Products in Modulating Histone Deacetylases in Cancer. Molecules, 2019, 24, 1047.	1.7	51
58	Characterization of a novel bile acid-based delivery platform for microencapsulated pancreatic Î²-cells. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 194-200.	1.9	50
59	Swelling, mechanical strength, and release properties of probucol microcapsules with and without a bile acid, and their potential oral delivery in diabetes. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1290-1297.	1.9	49
60	The effect of a tertiary bile acid, taurocholic acid, on the morphology and physical characteristics of microencapsulated probucol: potential applications in diabetes: a characterization study. Drug Delivery and Translational Research, 2015, 5, 511-522.	3.0	48
61	The vital role of ATP citrate lyase in chronic diseases. Journal of Molecular Medicine, 2020, 98, 71-95.	1.7	48
62	Secreted frizzled-related protein 4 expression is positively associated with responsiveness to Cisplatin of ovarian cancer cell lines in vitro and with lower tumour grade in mucinous ovarian cancers. BMC Cell Biology, 2012, 13, 25.	3.0	47
63	Probucol Release from Novel Multicompartmental Microcapsules for the Oral Targeted Delivery in Type 2 Diabetes. AAPS PharmSciTech, 2015, 16, 45-52.	1.5	47
64	Multicompartmental, multilayered probucol microcapsules for diabetes mellitus: Formulation characterization and effects on production of insulin and inflammation in a pancreatic Î²-cell line. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1642-1653.	1.9	47
65	Advanced bile acid-based multi-compartmental microencapsulated pancreatic Î²-cells integrating a polyelectrolyte-bile acid formulation, for diabetes treatment. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 588-595.	1.9	45
66	Potential application of zerumbone in the prevention and therapy of chronic human diseases. Journal of Functional Foods, 2019, 53, 248-258.	1.6	45
67	An Investigation on the Therapeutic Potential of Butein, A Tretrahydroxychalcone Against Human Oral Squamous Cell Carcinoma. Asian Pacific Journal of Cancer Prevention, 2019, 20, 3437-3446.	0.5	44
68	Novel chenodeoxycholic acidâ€“sodium alginate matrix in the microencapsulation of the potential antidiabetic drug, probucol. Anin vitrostudy. Journal of Microencapsulation, 2015, 32, 589-597.	1.2	42
69	Synthesis of human amyloid restricted to liver results in an Alzheimer diseaseâ€“like neurodegenerative phenotype. PLoS Biology, 2021, 19, e3001358.	2.6	42
70	Epigenetic regulation of the secreted frizzled-related protein family in human glioblastoma multiforme. Cancer Gene Therapy, 2014, 21, 297-303.	2.2	40
71	Release and swelling studies of an innovative antidiabetic-bile acid microencapsulated formulation, as a novel targeted therapy for diabetes treatment. Journal of Microencapsulation, 2015, 32, 151-156.	1.2	38
72	Isoform-Specific Role of Akt in Oral Squamous Cell Carcinoma. Biomolecules, 2019, 9, 253.	1.8	38

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73	Secreted frizzled-related protein 4 and its implications in cancer and apoptosis. Tumor Biology, 2015, 36, 143-152.	0.8	35
74	Pharmacological Utilization of Bergamottin, Derived from Grapefruits, in Cancer Prevention and Therapy. International Journal of Molecular Sciences, 2018, 19, 4048.	1.8	35
75	Encapsulated human mesenchymal stem cells (eMSCs) as a novel anti-cancer agent targeting breast cancer stem cells: Development of 3D primed therapeutic MSCs. International Journal of Biochemistry and Cell Biology, 2019, 110, 59-69.	1.2	35
76	Role of RNF20 in cancer development and progression â€“ a comprehensive review. Bioscience Reports, 2018, 38, .	1.1	34
77	The effect of ovarian reserve and receptor signalling on granulosa cell apoptosis during human follicle development. Molecular and Cellular Endocrinology, 2018, 470, 219-227.	1.6	33
78	Microencapsulation as a novel delivery method for the potential antidiabetic drug, Probucol. Drug Design, Development and Therapy, 2014, 8, 1221.	2.0	32
79	PPARÎ³ Ligandâ€“induced Annexin A1 Expression Determines Chemotherapy Response via Deubiquitination of Death Domain Kinase RIP in Triple-negative Breast Cancers. Molecular Cancer Therapeutics, 2017, 16, 2528-2542.	1.9	32
80	Molecular Targets Modulated by Fangchinoline in Tumor Cells and Preclinical Models. Molecules, 2018, 23, 2538.	1.7	32
81	Epigenetic reprogramming converts human Whartonâ€™s jelly mesenchymal stem cells into functional cardiomyocytes by differential regulation of Wnt mediators. Stem Cell Research and Therapy, 2017, 8, 185.	2.4	31
82	Involvement of Bone Morphogenetic Proteins (BMP) in the Regulation of Ovarian Function. Vitamins and Hormones, 2018, 107, 227-261.	0.7	31
83	Novel artificial cell microencapsulation of a complex gliclazide-deoxycholic bile acid formulation: a characterization study. Drug Design, Development and Therapy, 2014, 8, 1003.	2.0	30
84	A comprehensive study of novel microcapsules incorporating gliclazide and a permeation enhancing bile acid: hypoglycemic effect in an animal model of Type-1 diabetes. Drug Delivery, 2016, 23, 2869-2880.	2.5	29
85	Regulation of Cancer Stem Cell Metabolism by Secreted Frizzled-Related Protein 4 (sFRP4). Cancers, 2018, 10, 40.	1.7	29
86	Pharmacological effects of nanoencapsulation of human-based dosing of probucol on ratio of secondary to primary bile acids in gut, during induction and progression of type 1 diabetes. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 748-754.	1.9	28
87	An optimized probucol microencapsulated formulation integrating a secondary bile acid (deoxycholic) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	27
88	The Role of the Cysteine-Rich Domain and Netrin-Like Domain of Secreted Frizzled-Related Protein 4 in Angiogenesis Inhibition In Vitro. Oncology Research, 2012, 20, 1-6.	0.6	26
89	The role of the bile acid chenodeoxycholic acid in the targeted oral delivery of the anti-diabetic drug gliclazide, and its applications in type 1 diabetes. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1508-1519.	1.9	26
90	Wnt Antagonist Secreted Frizzled-Related Protein 4 Upregulates Adipogenic Differentiation in Human Adipose Tissue-Derived Mesenchymal Stem Cells. PLoS ONE, 2015, 10, e0118005.	1.1	25

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91	Dysregulation of granulosal bone morphogenetic protein receptor 1B density is associated with reduced ovarian reserve and the age-related decline in human fertility. Molecular and Cellular Endocrinology, 2016, 425, 84-93.	1.6	23
92	Infertility and ovarian follicle reserve depletion are associated with dysregulation of the FSH and LH receptor density in human antral follicles. Molecular and Cellular Endocrinology, 2017, 446, 40-51.	1.6	23
93	Epigenetic demethylation of sFRPs, with emphasis on sFRP4 activation, leading to Wnt signalling suppression and histone modifications in breast, prostate, and ovary cancer stem cells. International Journal of Biochemistry and Cell Biology, 2019, 109, 23-32.	1.2	23
94	Celastrol Alleviates Gamma Irradiation-Induced Damage by Modulating Diverse Inflammatory Mediators. International Journal of Molecular Sciences, 2020, 21, 1084.	1.8	23
95	Novel nano-encapsulation of probucol in microgels: scanning electron micrograph characterizations, buoyancy profiling, and antioxidant assay analyses. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 741-747.	1.9	22
96	Role of Wnt signalling in early pregnancy. Reproduction, Fertility and Development, 2016, 28, 525.	0.1	21
97	EudragitÂ®-based microcapsules of probucol with a gut-bacterial processed secondary bile acid. Therapeutic Delivery, 2018, 9, 811-821.	1.2	21
98	Identification and characterisation of tertiary lymphoid organs in human type 1 diabetes. Diabetologia, 2021, 64, 1626-1641.	2.9	21
99	Bioactive lipids in cancer stem cells. World Journal of Stem Cells, 2019, 11, 693-704.	1.3	21
100	Cytotoxic effects of the novel isoflavone, phenoxodiol, on prostate cancer cell lines. Journal of Biosciences, 2012, 37, 73-84.	0.5	19
101	Stability and biological testing of taurine-conjugated bile acid antioxidant microcapsules for diabetes treatment. Therapeutic Delivery, 2019, 10, 99-106.	1.2	19
102	Role of epigenetic modulation in cancer stem cell fate. International Journal of Biochemistry and Cell Biology, 2017, 90, 9-16.	1.2	17
103	A second-generation micro/nano capsules of an endogenous primary un-metabolised bile acid, stabilized by Eudragit-alginate complex with antioxidant compounds. Saudi Pharmaceutical Journal, 2020, 28, 165-171.	1.2	17
104	The effects of phenoxodiol on the cell cycle of prostate cancer cell lines. Cancer Cell International, 2014, 14, 110.	1.8	16
105	The expression of tumor necrosis factor-alpha, its receptors and steroidogenic acute regulatory protein during corpus luteum regression. Reproductive Biology and Endocrinology, 2008, 6, 50.	1.4	14
106	sFRP-mediated Wnt sequestration as a potential therapeutic target for Alzheimerâ€™s disease. International Journal of Biochemistry and Cell Biology, 2016, 75, 104-111.	1.2	14
107	Modulatory Nano/Micro Effects of Diabetes Development on Pharmacology of Primary and Secondary Bile Acids Concentrations. Current Diabetes Reviews, 2020, 16, 900-909.	0.6	14
108	Bio Micro-Nano Technologies of Antioxidants Optimised Their Pharmacological and Cellular Effects, ex vivo, inÂPancreatic Î²-Cells . Nanotechnology, Science and Applications, 2020, Volume 13, 1-9.	4.6	13

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109	Multifunctional Properties of Chicken Embryonic Prenatal Mesenchymal Stem Cells- Pluripotency, Plasticity, and Tumor Suppression. Stem Cell Reviews and Reports, 2014, 10, 856-870.	5.6	12
110	Therapeutic approach to target mesothelioma cancer cells using the Wnt antagonist, secreted frizzled-related protein 4: Metabolic state of cancer cells. Experimental Cell Research, 2016, 341, 218-224.	1.2	12
111	The inhibitory influence of adipose tissue-derived mesenchymal stem cell environment and Wnt antagonism on breast tumour cell lines. International Journal of Biochemistry and Cell Biology, 2018, 95, 63-72.	1.2	12
112	An in vivo pharmacological study: Variation in tissue-accumulation for the drug probucol as the result of targeted microtechnology and matrix-acrylic acid optimization and stabilization techniques. PLoS ONE, 2019, 14, e0214984.	1.1	12
113	Probucol-poly(meth)acrylate-bile acid nanoparticles increase IL-10, and primary bile acids in prediabetic mice. Therapeutic Delivery, 2019, 10, 563-571.	1.2	12
114	The Influence of Breast Tumour-Derived Factors and Wnt Antagonism on the Transformation of Adipose-Derived Mesenchymal Stem Cells into Tumour-Associated Fibroblasts. Cancer Microenvironment, 2018, 11, 71-84.	3.1	11
115	Bile acid-polymer-probucol microparticles: protective effect on pancreatic Î²-cells and decrease in type 1 diabetes development in a murine model. Pharmaceutical Development and Technology, 2019, 24, 1272-1277.	1.1	11
116	Function of caspase-14 in trophoblast differentiation. Reproductive Biology and Endocrinology, 2009, 7, 98.	1.4	8
117	Author Response: Sufficient Evidence for Lymphatics in the Developing and Adult Human Choroid?. , 2015, 56, 6711.		7
118	Delivery of expression constructs of secreted frizzled-related protein 4 and its domains by chitosanâ€“dextran sulfate nanoparticles enhances their expression and anti-cancer effects. Molecular and Cellular Biochemistry, 2018, 443, 205-213.	1.4	7
119	Morphological, Stability, and Hypoglycemic Effects of New Gliclazide-Bile Acid Microcapsules for Type 1 Diabetes Treatment: the Microencapsulation of Anti-diabetics Using a Microcapsule-Stabilizing Bile Acid. AAPS PharmSciTech, 2018, 19, 3009-3018.	1.5	7
120	Apoptosis does not affect the vasculature of the corpus luteum of pregnancy in the rat. Apoptosis: an International Journal on Programmed Cell Death, 2003, 8, 665-671.	2.2	5
121	A Study of Physiologic Angiogenesis in the Human Using the Dental Pulp as an In Vivo Model. Endothelium: Journal of Endothelial Cell Research, 2006, 13, 359-363.	1.7	5
122	Modulation of diverse oncogenic transcription factors by thymoquinone, an essential oil compound isolated from the seeds of Nigella sativa Linn. Pharmacological Research, 2018, 133, 213-214.	3.1	3
123	A Quantitative Study of Blood Capillary Formation (Angiogenesis) Concomitant with Parenchymal Tissue Differentiation. Endothelium: Journal of Endothelial Cell Research, 2005, 12, 171-177.	1.7	2
124	Expression Profile of Wnt/Î²-Catenin Signalling Molecules and the Wnt Antagonist Secreted Frizzled-Related Protein 4 in Apoptosis in Breast Cancer Tissue Micro-Arrays. Journal of Analytical Oncology, 2014, 3, 205-212.	0.1	1
125	The Role of Secreted Frizzled Related Protein 4 (sFRP-4) in Regulating Oestradiol-Induced Growth of the MCF-7 Breast Cancer Cell Line. Journal of Analytical Oncology, 0, , .	0.1	0