

Chapla Agarwal

List of Publications by Year in descending order

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86
papers

4,909
citations

81900
39
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95266
68
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86
all docs

86
docs citations

86
times ranked

5925
citing authors

#	ARTICLE	IF	CITATIONS
1	Exosomes secreted under hypoxia enhance invasiveness and stemness of prostate cancer cells by targeting adherens junction molecules. <i>Molecular Carcinogenesis</i> , 2015, 54, 554-565.	2.7	324
2	Silibinin upregulates the expression of cyclin-dependent kinase inhibitors and causes cell cycle arrest and apoptosis in human colon carcinoma HT-29 cells. <i>Oncogene</i> , 2003, 22, 8271-8282.	5.9	216
3	Gallic Acid, an Active Constituent of Grape Seed Extract, Exhibits Anti-proliferative, Pro-apoptotic and Anti-tumorigenic Effects Against Prostate Carcinoma Xenograft Growth in Nude Mice. <i>Pharmaceutical Research</i> , 2009, 26, 2133-2140.	3.5	197
4	Anticancer and Cancer Chemopreventive Potential of Grape Seed Extract and Other Grape-Based Products. <i>Journal of Nutrition</i> , 2009, 139, 1806S-1812S.	2.9	188
5	Grape seed extract inhibits advanced human prostate tumor growth and angiogenesis and upregulates insulin-like growth factor binding protein-3. <i>International Journal of Cancer</i> , 2004, 108, 733-740.	5.1	172
6	Fractionation of grape seed extract and identification of gallic acid as one of the major active constituents causing growth inhibition and apoptotic death of DU145 human prostate carcinoma cells. <i>Carcinogenesis</i> , 2006, 27, 1445-1453.	2.8	156
7	Grape Seed Extract Inhibits <i>in vitro</i> and <i>in vivo</i> Growth of Human Colorectal Carcinoma Cells. <i>Clinical Cancer Research</i> , 2006, 12, 6194-6202.	7.0	155
8	Grape seed extract induces apoptotic death of human prostate carcinoma DU145 cells via caspases activation accompanied by dissipation of mitochondrial membrane potential and cytochrome c release. <i>Carcinogenesis</i> , 2002, 23, 1869-1876.	2.8	142
9	Silibinin strongly inhibits growth and survival of human endothelial cells via cell cycle arrest and downregulation of survivin, Akt and NF- κ B: implications for angioprevention and antiangiogenic therapy. <i>Oncogene</i> , 2005, 24, 1188-1202.	5.9	140
10	Silibinin Inhibits Inflammatory and Angiogenic Attributes in Photocarcinogenesis in SKH-1 Hairless Mice. <i>Cancer Research</i> , 2007, 67, 3483-3491.	0.9	139
11	Silibinin Protects against Photocarcinogenesis via Modulation of Cell Cycle Regulators, Mitogen-Activated Protein Kinases, and Akt Signaling. <i>Cancer Research</i> , 2004, 64, 6349-6356.	0.9	137
12	Grape seed extract inhibits EGF-induced and constitutively active mitogenic signaling but activates JNK in human prostate carcinoma DU145 cells: possible role in antiproliferation and apoptosis. <i>Oncogene</i> , 2003, 22, 1302-1316.	5.9	135
13	Silibinin inhibits constitutive activation of Stat3, and causes caspase activation and apoptotic death of human prostate carcinoma DU145 cells. <i>Carcinogenesis</i> , 2007, 28, 1463-1470.	2.8	117
14	Gallic acid causes inactivating phosphorylation of cdc25A/cdc25C-cdc2 via ATM-Chk2 activation, leading to cell cycle arrest, and induces apoptosis in human prostate carcinoma DU145 cells. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 3294-3302.	4.1	114
15	Chemopreventive effects of oral gallic acid feeding on tumor growth and progression in TRAMP mice. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 1258-1267.	4.1	105
16	Grape Seed Extract Induces Cell Cycle Arrest and Apoptosis in Human Colon Carcinoma Cells. <i>Nutrition and Cancer</i> , 2008, 60, 2-11.	2.0	96
17	Oral Grape Seed Extract Inhibits Prostate Tumor Growth and Progression in TRAMP Mice. <i>Cancer Research</i> , 2007, 67, 5976-5982.	0.9	94
18	Hypoxia induces triglycerides accumulation in prostate cancer cells and extracellular vesicles supporting growth and invasiveness following reoxygenation. <i>Oncotarget</i> , 2015, 6, 22836-22856.	1.8	85

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19	Energy deprivation by silibinin in colorectal cancer cells. <i>Autophagy</i> , 2013, 9, 697-713.	9.1	80
20	Fractionation of high molecular weight tannins in grape seed extract and identification of procyanidin B2-3,3'-di-O-gallate as a major active constituent causing growth inhibition and apoptotic death of DU145 human prostate carcinoma cells. <i>Carcinogenesis</i> , 2007, 28, 1478-1484.	2.8	74
21	Effect of silibinin in human colorectal cancer cells: Targeting the activation of NF- κ B signaling. <i>Molecular Carcinogenesis</i> , 2013, 52, 195-206.	2.7	69
22	Exosome proteomic analyses identify inflammatory phenotype and novel biomarkers in African American prostate cancer patients. <i>Cancer Medicine</i> , 2019, 8, 1110-1123.	2.8	69
23	Grape seed extract induces anoikis and caspase-mediated apoptosis in human prostate carcinoma LNCaP cells: possible role of ataxia telangiectasia mutated-p53 activation. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 1265-1274.	4.1	68
24	Resveratrol Selectively Induces DNA Damage, Independent of Smad4 Expression, in Its Efficacy against Human Head and Neck Squamous Cell Carcinoma. <i>Clinical Cancer Research</i> , 2011, 17, 5402-5411.	7.0	68
25	Dietary feeding of grape seed extract prevents azoxymethane-induced colonic aberrant crypt foci formation in fischer 344 rats. <i>Molecular Carcinogenesis</i> , 2010, 49, 641-652.	2.7	62
26	Inositol Hexaphosphate Inhibits Growth and Induces G1 Arrest and Apoptotic Death of Androgen-Dependent Human Prostate Carcinoma LNCaP Cells. <i>Neoplasia</i> , 2004, 6, 646-659.	5.3	59
27	Asiatic Acid Inhibits Pro-Angiogenic Effects of VEGF and Human Gliomas in Endothelial Cell Culture Models. <i>PLoS ONE</i> , 2011, 6, e22745.	2.5	59
28	Silibinin strongly inhibits the growth kinetics of colon cancer stem cell-enriched spheroids by modulating interleukin 4/6-mediated survival signals. <i>Oncotarget</i> , 2014, 5, 4972-4989.	1.8	59
29	Silibinin modulates TNF- α and IFN- γ mediated signaling to regulate COX2 and iNOS expression in tumorigenic mouse lung epithelial LM2 cells. <i>Molecular Carcinogenesis</i> , 2012, 51, 832-842.	2.7	58
30	Nitrogen mustard exposure of murine skin induces DNA damage, oxidative stress and activation of MAPK/Akt-AP1 pathway leading to induction of inflammatory and proteolytic mediators. <i>Toxicology Letters</i> , 2015, 235, 161-171.	0.8	58
31	Identifying Molecular Targets of Lifestyle Modifications in Colon Cancer Prevention. <i>Frontiers in Oncology</i> , 2013, 3, 119.	2.8	55
32	Anti-Cancer Efficacy of Silybin Derivatives - A Structure-Activity Relationship. <i>PLoS ONE</i> , 2013, 8, e60074.	2.5	55
33	Dietary Feeding of Grape Seed Extract Prevents Intestinal Tumorigenesis in APC ^{min/+} Mice. <i>Neoplasia</i> , 2010, 12, 95-102.	5.3	54
34	Bitter melon juice activates cellular energy sensor AMP-activated protein kinase causing apoptotic death of human pancreatic carcinoma cells. <i>Carcinogenesis</i> , 2013, 34, 1585-1592.	2.8	54
35	Silibinin inhibits aberrant lipid metabolism, proliferation and emergence of androgen-independence in prostate cancer cells via primarily targeting the sterol response element binding protein 1. <i>Oncotarget</i> , 2014, 5, 10017-10033.	1.8	53
36	Generation of reactive oxygen species by grape seed extract causes irreparable DNA damage leading to G2/M arrest and apoptosis selectively in head and neck squamous cell carcinoma cells. <i>Carcinogenesis</i> , 2012, 33, 848-858.	2.8	50

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37	Angiopreventive Efficacy of Pure Flavonolignans from Milk Thistle Extract against Prostate Cancer: Targeting VEGF-VEGFR Signaling. <i>PLoS ONE</i> , 2012, 7, e34630.	2.5	49
38	Silibinin inhibits hypoxia-induced HIF-1 α -mediated signaling, angiogenesis and lipogenesis in prostate cancer cells: In vitro evidence and in vivo functional imaging and metabolomics. <i>Molecular Carcinogenesis</i> , 2017, 56, 833-848.	2.7	49
39	Exosomes secreted by prostate cancer cells under hypoxia promote matrix metalloproteinases activity at pre-metastatic niches. <i>Molecular Carcinogenesis</i> , 2020, 59, 323-332.	2.7	47
40	Graviola inhibits hypoxia-induced NADPH oxidase activity in prostate cancer cells reducing their proliferation and clonogenicity. <i>Scientific Reports</i> , 2016, 6, 23135.	3.3	42
41	Grape Seed Extract Efficacy against Azoxymethane-Induced Colon Tumorigenesis in A/J Mice: Interlinking miRNA with Cytokine Signaling and Inflammation. <i>Cancer Prevention Research</i> , 2013, 6, 625-633.	1.5	37
42	Role of p53 in silibinin-mediated inhibition of ultraviolet B radiation-induced DNA damage, inflammation and skin carcinogenesis. <i>Carcinogenesis</i> , 2017, 38, 40-50.	2.8	36
43	Differential effects of grape seed extract against human colorectal cancer cell lines: The intricate role of death receptors and mitochondria. <i>Cancer Letters</i> , 2013, 334, 69-78.	7.2	33
44	Asiatic acid induces endoplasmic reticulum stress and apoptotic death in glioblastoma multiforme cells both in vitro and in vivo. <i>Molecular Carcinogenesis</i> , 2015, 54, 1417-1429.	2.7	33
45	A novel approach to target hypoxic cancer cells via combining β -oxidation inhibitor etomoxir with radiation. <i>Hypoxia (Auckland, N Z)</i> , 2018, Volume 6, 23-33.	1.9	33
46	Grape seed extract upregulates p21 (Cip1) through redox-mediated activation of ERK1/2 and posttranscriptional regulation leading to cell cycle arrest in colon carcinoma HT29 cells. <i>Molecular Carcinogenesis</i> , 2011, 50, 553-562.	2.7	32
47	Silibinin prevents prostate cancer cell-mediated differentiation of naïve fibroblasts into cancer-associated fibroblast phenotype by targeting TGF β 2. <i>Molecular Carcinogenesis</i> , 2015, 54, 730-741.	2.7	32
48	Activation of DNA damage repair pathways in response to nitrogen mustard-induced DNA damage and toxicity in skin keratinocytes. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014, 763-764, 53-63.	1.0	31
49	Grape seed extract and resveratrol prevent 4-nitroquinoline oxide induced oral tumorigenesis in mice by modulating AMPK activation and associated biological responses. <i>Molecular Carcinogenesis</i> , 2015, 54, 291-300.	2.7	31
50	Procyanidin B2 3,3'-di-O-gallate, a Biologically Active Constituent of Grape Seed Extract, Induces Apoptosis in Human Prostate Cancer Cells Via Targeting NF- κ B, Stat3, and AP1 Transcription Factors. <i>Nutrition and Cancer</i> , 2014, 66, 736-746.	2.0	30
51	The strategies to control prostate cancer by chemoprevention approaches. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014, 760, 1-15.	1.0	30
52	Silibinin and its 2,3-dehydroderivative inhibit basal cell carcinoma growth via suppression of mitogenic signaling and transcription factors activation. <i>Molecular Carcinogenesis</i> , 2016, 55, 3-14.	2.7	28
53	Flavanone silibinin treatment attenuates nitrogen mustard-induced toxic effects in mouse skin. <i>Toxicology and Applied Pharmacology</i> , 2015, 285, 71-78.	2.8	26
54	Target Identification of Grape Seed Extract in Colorectal Cancer Using Drug Affinity Responsive Target Stability (DARTS) Technique: Role of Endoplasmic Reticulum Stress Response Proteins. <i>Current Cancer Drug Targets</i> , 2014, 14, 323-336.	1.6	26

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55	Anti-angiogenic efficacy of grape seed extract in endothelial cells. <i>Oncology Reports</i> , 2004, 11, 681-5.	2.6	26
56	Role of oxidative stress in cytotoxicity of grape seed extract in human bladder cancer cells. <i>Food and Chemical Toxicology</i> , 2013, 61, 187-195.	3.6	24
57	Differential Effect of Grape Seed Extract against Human Non-small-Cell Lung Cancer Cells: The Role of Reactive Oxygen Species and Apoptosis Induction. <i>Nutrition and Cancer</i> , 2013, 65, 44-53.	2.0	23
58	Silibinin enhances the repair of ultraviolet B-induced DNA damage by activating p53-dependent nucleotide excision repair mechanism in human dermal fibroblasts. <i>Oncotarget</i> , 2015, 6, 39594-39606.	1.8	23
59	Inositol hexaphosphate inhibits constitutive activation of NF- kappa B in androgen-independent human prostate carcinoma DU145 cells. <i>Anticancer Research</i> , 2003, 23, 3855-61.	1.1	23
60	Influence of Gallate Esterification on the Activity of Procyanidin B2 in Androgen-Dependent Human Prostate Carcinoma LNCaP Cells. <i>Pharmaceutical Research</i> , 2010, 27, 619-627.	3.5	22
61	Bitter melon juice targets molecular mechanisms underlying gemcitabine resistance in pancreatic cancer cells. <i>International Journal of Oncology</i> , 2015, 46, 1849-1857.	3.3	22
62	Topical nitrogen mustard exposure causes systemic toxic effects in mice. <i>Experimental and Toxicologic Pathology</i> , 2015, 67, 161-170.	2.1	22
63	Silibinin Treatment Inhibits the Growth of Hedgehog Inhibitorâ€Resistant Basal Cell Carcinoma Cells via Targeting EGFRâ€MAPKâ€Akt and Hedgehog Signaling. <i>Photochemistry and Photobiology</i> , 2017, 93, 999-1007.	2.5	22
64	Procyanidin B2 3,3â€diâ€Oâ€gallate induces oxidative stressâ€mediated cell death in prostate cancer cells via inhibiting MAP kinase phosphatase activity and activating ERK1/2 and AMPK. <i>Molecular Carcinogenesis</i> , 2018, 57, 57-69.	2.7	22
65	Procyanidin B2 3,3″-di-O-gallate Inhibits Endothelial Cells Growth and Motility by Targeting VEGFR2 and Integrin Signaling Pathways. <i>Current Cancer Drug Targets</i> , 2015, 15, 14-26.	1.6	18
66	Differential effect of grape seed extract and its active constituent procyanidin B2 3,3â€diâ€Oâ€gallate against prostate cancer stem cells. <i>Molecular Carcinogenesis</i> , 2019, 58, 1105-1117.	2.7	18
67	Characterization of azoxymethane-induced colon tumor metastasis to lung in a mouse model relevant to human sporadic colorectal cancer and evaluation of grape seed extract efficacy. <i>Experimental and Toxicologic Pathology</i> , 2014, 66, 235-242.	2.1	17
68	Grape seed extract targets mitochondrial electron transport chain complex III and induces oxidative and metabolic stress leading to cytoprotective autophagy and apoptotic death in human head and neck cancer cells. <i>Molecular Carcinogenesis</i> , 2015, 54, 1734-1747.	2.7	17
69	Silibinin phosphodiester glyco-conjugates: Synthesis, redox behaviour and biological investigations. <i>Bioorganic Chemistry</i> , 2018, 77, 349-359.	4.1	17
70	Toxic consequences and oxidative protein carbonylation from chloropicrin exposure in human corneal epithelial cells. <i>Toxicology Letters</i> , 2020, 322, 1-11.	0.8	17
71	Pathophysiology and inflammatory biomarkers of sulfur mustard-induced corneal injury in rabbits. <i>PLoS ONE</i> , 2021, 16, e0258503.	2.5	16
72	Glucuronidation and Methylation of Procyanidin Dimers B2 and 3,3â€Di-O-Galloyl-B2 and Corresponding Monomers Epicatechin and 3-O-Galloyl-Epicatechin in Mouse Liver. <i>Pharmaceutical Research</i> , 2012, 29, 856-865.	3.5	13

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73	Bitter melon juice-intake modulates glucose metabolism and lactate efflux in tumors in its efficacy against pancreatic cancer. <i>Carcinogenesis</i> , 2019, 40, 1164-1176.	2.8	12
74	Effect of dexamethasone treatment at variable therapeutic windows in reversing nitrogen mustard-induced corneal injuries in rabbit ocular in vivo model. <i>Toxicology and Applied Pharmacology</i> , 2022, 437, 115904.	2.8	12
75	Bitter melon juice exerts its efficacy against pancreatic cancer via targeting both bulk and cancer stem cells. <i>Molecular Carcinogenesis</i> , 2018, 57, 1166-1180.	2.7	11
76	Poly[3-(3, 4-dihydroxyphenyl) glyceric acid] from Comfrey exerts anti-cancer efficacy against human prostate cancer via targeting androgen receptor, cell cycle arrest and apoptosis. <i>Carcinogenesis</i> , 2012, 33, 1572-1580.	2.8	10
77	Nintedanib inhibits growth of human prostate carcinoma cells by modulating both cell cycle and angiogenesis regulators. <i>Scientific Reports</i> , 2018, 8, 9540.	3.3	10
78	Inhibition of NF-kappaB pathway in grape seed extract-induced apoptotic death of human prostate carcinoma DU145 cells. <i>International Journal of Oncology</i> , 2003, 23, 721-7.	3.3	10
79	Functional modification of adipocytes by grape seed extract impairs their pro-tumorigenic signaling on colon cancer stem cells and the daughter cancer cells. <i>Oncotarget</i> , 2014, 5, 10151-10169.	1.8	9
80	Silibinin inhibits ultraviolet B radiation-induced mast cells recruitment and bone morphogenetic protein 2 expression in the skin at early stages in Ptch(+/-) mouse model of basal cell carcinoma. <i>Molecular Carcinogenesis</i> , 2019, 58, 1260-1271.	2.7	6
81	Bitter melon juice intake with gemcitabine intervention circumvents resistance to gemcitabine in pancreatic patient-derived xenograft tumors. <i>Molecular Carcinogenesis</i> , 2020, 59, 1227-1240.	2.7	6
82	Solid-phase synthesis of curcumin mimics and their anticancer activity against human pancreatic, prostate, and colorectal cancer cell lines. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 42, 116249.	3.0	5
83	Transcriptome and metabolome changes induced by bitter melon (<i>Momordica charantia</i>)- intake in a high-fat diet induced obesity model. <i>Journal of Traditional and Complementary Medicine</i> , 2021, 12, 287-301.	2.7	5
84	Comparative Pre-clinical Efficacy of Chinese and Indian Cultivars of Bitter Melon (<i>Momordica</i>) Tj ETQq0 0 0 rgBT/Overlock 4 10 Tf 50 3	2.0	4
85	Characterization of stage-specific tumor progression in <i>TMPRSS2-ERG</i> (fusion)-driven and non-fusion-driven prostate cancer in GEM models. <i>Molecular Carcinogenesis</i> , 2022, 61, 717-734.	2.7	4
86	Chemopreventive efficacy of silibinin against basal cell carcinoma growth and progression in UVB-irradiated Ptch+/+ mice. <i>Carcinogenesis</i> , 2022, , .	2.8	2