

# 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  
g-index

86  
all docs

86  
docs citations

86  
times ranked

5925  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Chemopreventive efficacy of silibinin against basal cell carcinoma growth and progression in UVB-irradiated Ptch+/Δ mice. <i>Carcinogenesis</i> , 2022, , .	2.8	2
3	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
4	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
5	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
6	Pathophysiology and inflammatory biomarkers of sulfur mustard-induced corneal injury in rabbits. <i>PLoS ONE</i> , 2021, 16, e0258503.	2.5	16
7	Comparative Pre-clinical Efficacy of Chinese and Indian Cultivars of Bitter Melon (<i>Momordica</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 11	2.0	4
8	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
9	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
10	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
11	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
12	Differential effect of grape seed extract and its active constituent procyanidin B2 3,3&diac<i>O</i>&gallate against prostate cancer stem cells. <i>Molecular Carcinogenesis</i> , 2019, 58, 1105-1117.	2.7	18
13	Silibinin inhibits ultraviolet B radiation-induced mast cells recruitment and bone morphogenetic protein 2 expression in the skin at early stages in Ptch(+/Δ) mouse model of basal cell carcinoma. <i>Molecular Carcinogenesis</i> , 2019, 58, 1260-1271.	2.7	6
14	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
15	Silibinin phosphodiester glyco-conjugates: Synthesis, redox behaviour and biological investigations. <i>Bioorganic Chemistry</i> , 2018, 77, 349-359.	4.1	17
16	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
17	Procyanidin B2 3,3&diac&gallate induces oxidative stress-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
18	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

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19	A novel approach to target hypoxic cancer cells via combining $\beta$ -oxidation inhibitor etomoxir with radiation. <i>Hypoxia (Auckland, N Z)</i> , 2018, Volume 6, 23-33.	1.9	33
20	Silibinin Treatment Inhibits the Growth of Hedgehog Inhibitor-Resistant Basal Cell Carcinoma Cells via Targeting EGFR-MAPK-Akt and Hedgehog Signaling. <i>Photochemistry and Photobiology</i> , 2017, 93, 999-1007.	2.5	22
21	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
22	Silibinin inhibits hypoxia-induced HIF-1 $\alpha$ -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
23	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
24	Silibinin and its 2,3-dehydro-derivative 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
25	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
26	Procyanidin B2 3,3&#8243;-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
27	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
28	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
29	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
30	Silibinin prevents prostate cancer cell-mediated differentiation of na <sup>-</sup> ve fibroblasts into cancer-associated fibroblast phenotype by targeting TGF $\beta$ 2. <i>Molecular Carcinogenesis</i> , 2015, 54, 730-741.	2.7	32
31	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
32	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
33	Grape seed extract and resveratrol prevent 4-nitroquinoline 1-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
34	Topical nitrogen mustard exposure causes systemic toxic effects in mice. <i>Experimental and Toxicologic Pathology</i> , 2015, 67, 161-170.	2.1	22
35	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
36	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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37	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
38	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
39	Procyanidin B2 3,3<sup>â€³</sup>-di-O-gallate, a Biologically Active Constituent of Grape Seed Extract, Induces Apoptosis in Human Prostate Cancer Cells Via Targeting NF-Î²B, Stat3, and AP1 Transcription Factors. <i>Nutrition and Cancer</i> , 2014, 66, 736-746.	2.0	30
40	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
41	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
42	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
43	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
44	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
45	Effect of silibinin in human colorectal cancer cells: Targeting the activation of NFâ€™B signaling. <i>Molecular Carcinogenesis</i> , 2013, 52, 195-206.	2.7	69
46	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
47	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
48	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
49	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
50	Identifying Molecular Targets of Lifestyle Modifications in Colon Cancer Prevention. <i>Frontiers in Oncology</i> , 2013, 3, 119.	2.8	55
51	Energy deprivation by silibinin in colorectal cancer cells. <i>Autophagy</i> , 2013, 9, 697-713.	9.1	80
52	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
53	Anti-Cancer Efficacy of Silybin Derivatives - A Structure-Activity Relationship. <i>PLoS ONE</i> , 2013, 8, e60074.	2.5	55
54	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

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55	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
56	Silibinin modulates TNF $\alpha$ and IFN $\gamma$ 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
57	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
58	Glucuronidation and Methylation of Procyanidin Dimers B2 and 3,3'-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
59	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
60	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
61	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
62	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
63	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
64	Dietary Feeding of Grape Seed Extract Prevents Intestinal Tumorigenesis in APC <sup>min/+</sup> Mice. <i>Neoplasia</i> , 2010, 12, 95-102.	5.3	54
65	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
66	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
67	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
68	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
69	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
70	Oral Grape Seed Extract Inhibits Prostate Tumor Growth and Progression in TRAMP Mice. <i>Cancer Research</i> , 2007, 67, 5976-5982.	0.9	94
71	Silibinin Inhibits Inflammatory and Angiogenic Attributes in Photocarcinogenesis in SKH-1 Hairless Mice. <i>Cancer Research</i> , 2007, 67, 3483-3491.	0.9	139
72	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

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73	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
74	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
75	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
76	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
77	Silibinin strongly inhibits growth and survival of human endothelial cells via cell cycle arrest and downregulation of survivin, Akt and NF- $\kappa$ B: implications for angioprevention and antiangiogenic therapy. <i>Oncogene</i> , 2005, 24, 1188-1202.	5.9	140
78	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
79	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
80	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
81	Anti-angiogenic efficacy of grape seed extract in endothelial cells. <i>Oncology Reports</i> , 2004, 11, 681-5.	2.6	26
82	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
83	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
84	Inhibition of NF- $\kappa$ B 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
85	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
86	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