

Surajit Pathak

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

1,876
citations

304602

22
h-index

302012

39
g-index

101
all docs

101
docs citations

101
times ranked

2314
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for targeted drug delivery in treatment of colon cancer: current trends and future perspectives. <i>Drug Discovery Today</i> , 2017, 22, 1224-1232.	3.2	173
2	MiR-155 modulates the inflammatory phenotype of intestinal myofibroblasts by targeting SOCS1 in ulcerative colitis. <i>Experimental and Molecular Medicine</i> , 2015, 47, e164-e164.	3.2	108
3	Health hazards of nanoparticles: understanding the toxicity mechanism of nanosized ZnO in cosmetic products. <i>Drug and Chemical Toxicology</i> , 2019, 42, 84-93.	1.2	81
4	Lycopodine from <i>Lycopodium clavatum</i> extract inhibits proliferation of HeLa cells through induction of apoptosis via caspase-3 activation. <i>European Journal of Pharmacology</i> , 2010, 626, 115-122.	1.7	74
5	Helium Generated Cold Plasma Finely Regulates Activation of Human Fibroblast-Like Primary Cells. <i>PLoS ONE</i> , 2014, 9, e104397.	1.1	69
6	Tumor suppressive microRNA-137 negatively regulates Musashi-1 and colorectal cancer progression. <i>Oncotarget</i> , 2015, 6, 12558-12573.	0.8	65
7	<i>In Vitro</i> Studies Demonstrate Anticancer Activity of an Alkaloid of the Plant <i>Gelsemium sempervirens</i> . <i>Experimental Biology and Medicine</i> , 2008, 233, 1591-1601.	1.1	60
8	Protective potentials of a potentized homeopathic drug, Lycopodium-30, in ameliorating azo dye induced hepatocarcinogenesis in mice. <i>Molecular and Cellular Biochemistry</i> , 2006, 285, 121-131.	1.4	58
9	Chitosan-based nano-formulation enhances the anticancer efficacy of hesperetin. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1988-1998.	3.6	52
10	Ascorbic acid combats arsenic-induced oxidative stress in mice liver. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 639-649.	2.9	50
11	Umbilical cord mesenchymal stem cells modulate dextran sulfate sodium induced acute colitis in immunodeficient mice. <i>Stem Cell Research and Therapy</i> , 2015, 6, 79.	2.4	49
12	Radiation and SN38 treatments modulate the expression of microRNAs, cytokines and chemokines in colon cancer cells in a p53-directed manner. <i>Oncotarget</i> , 2015, 6, 44758-44780.	0.8	49
13	The role of microRNAs in solving COVID-19 puzzle from infection to therapeutics: A mini-review. <i>Virus Research</i> , 2022, 308, 198631.	1.1	47
14	Assessment of the genotoxic and cytotoxic potential of an anti-epileptic drug, phenobarbital, in mice: a time course study. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004, 563, 1-11.	0.9	45
15	5-ASA colonic mucosal concentrations resulting from different pharmaceutical formulations in ulcerative colitis. <i>World Journal of Gastroenterology</i> , 2013, 19, 5665.	1.4	36
16	Maternal Supply of Both Arachidonic and Docosahexaenoic Acids Is Required for Optimal Neurodevelopment. <i>Nutrients</i> , 2021, 13, 2061.	1.7	36
17	A Review on Theragnostic Applications of Micrnas and Long Non- Coding RNAs in Colorectal Cancer. <i>Current Topics in Medicinal Chemistry</i> , 2019, 18, 2614-2629.	1.0	34
18	Can Homeopathic Arsenic Remedy Combat Arsenic Poisoning in Humans Exposed to Groundwater Arsenic Contamination?: A Preliminary Report on First Human Trial. <i>Evidence-based Complementary and Alternative Medicine</i> , 2005, 2, 537-548.	0.5	33

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19	Clinical utility of calprotectin and lactoferrin in patients with inflammatory bowel disease: is there something new from the literature?. <i>Expert Review of Clinical Immunology</i> , 2012, 8, 579-585.	1.3	32
20	Current understanding of the mesenchymal stem cell-derived exosomes in cancer and aging. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2021, 31, e00658.	2.1	32
21	Efficacy of the Potentized Homeopathic Drug, Carcinosisin 200, Fed Alone and in Combination with Another Drug, Chelidonium 200, in Amelioration of p-Dimethylaminoazobenzene-Induced Hepatocarcinogenesis in Mice. <i>Journal of Alternative and Complementary Medicine</i> , 2005, 11, 839-854.	2.1	29
22	Assessment of hepatocellular damage and hematological alterations in mice chronically fed p-dimethyl aminoazobenzene and phenobarbital. <i>Experimental and Molecular Pathology</i> , 2007, 83, 104-111.	0.9	23
23	Can Administration of Potentized Homeopathic Remedy, Arsenicum Album, Alter Antinuclear Antibody (ANA) Titer in People Living in High-Risk Arsenic Contaminated Areas? I. A Correlation with Certain Hematological Parameters. <i>Evidence-based Complementary and Alternative Medicine</i> , 2006, 3, 99-107.	0.5	22
24	Wnt signaling regulates the proliferation potential and lineage commitment of human umbilical cord derived mesenchymal stem cells. <i>Molecular Biology Reports</i> , 2020, 47, 1293-1308.	1.0	22
25	Homeopathic drug discovery: theory update and methodological aspect. <i>Expert Opinion on Drug Discovery</i> , 2008, 3, 979-990.	2.5	20
26	Current trends in etiology, prognosis and therapeutic aspects of Parkinson's disease: a review. <i>Acta Biomedica</i> , 2017, 88, 249-262.	0.2	20
27	Supportive Evidence for the Anticancerous Potential of Alternative Medicine against Hepatocarcinogenesis in Mice. <i>Complementary Medicine Research</i> , 2007, 14, 148-156.	0.5	19
28	Chelidonium majus 30C and 200C in induced hepato-toxicity in rats. <i>Homeopathy</i> , 2010, 99, 167-176.	0.5	19
29	Homeopathic remedy for arsenic toxicity?: Evidence-based findings from a randomized placebo-controlled double blind human trial. <i>Science of the Total Environment</i> , 2007, 384, 141-150.	3.9	18
30	Targeting Wnt Signaling through Small molecules in Governing Stem Cell Fate and Diseases. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2019, 19, 233-246.	0.6	18
31	Amelioration of Carcinogen-Induced Toxicity in Mice by Administration of a Potentized Homeopathic Drug, Natrum Sulphuricum 200. <i>Evidence-based Complementary and Alternative Medicine</i> , 2009, 6, 65-75.	0.5	17
32	Tafazzin Protein Expression Is Associated with Tumorigenesis and Radiation Response in Rectal Cancer: A Study of Swedish Clinical Trial on Preoperative Radiotherapy. <i>PLoS ONE</i> , 2014, 9, e98317.	1.1	17
33	A Study on Effect of Oxaliplatin in MicroRNA Expression in Human Colon Cancer. <i>Journal of Cancer</i> , 2018, 9, 2046-2053.	1.2	17
34	Special AT-rich sequence binding protein 1 expression correlates with response to preoperative radiotherapy and clinical outcome in rectal cancer. <i>Cancer Biology and Therapy</i> , 2015, 16, 1738-1745.	1.5	16
35	Role of Tumor Specific niche in Colon Cancer Progression and Emerging Therapies by Targeting Tumor Microenvironment. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1341, 177-192.	0.8	16
36	Current insight into the functions of microRNAs in common human hair loss disorders: a mini review. <i>Human Cell</i> , 2021, 34, 1040-1050.	1.2	16

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37	A Comprehensive Cancer-Associated MicroRNA Expression Profiling and Proteomic Analysis of Human Umbilical Cord Mesenchymal Stem Cell-Derived Exosomes. <i>Tissue Engineering and Regenerative Medicine</i> , 2022, 19, 1013-1031.	1.6	16
38	Comparative Efficacy of Two Microdoses of a Potentized Homeopathic Drug, Arsenicum Album, to Ameliorate Toxicity Induced by Repeated Sublethal Injections of Arsenic Trioxide in Mice. <i>Pathobiology</i> , 2008, 75, 156-170.	1.9	15
39	Benefits of aged garlic extract in modulating toxicity biomarkers against p-dimethylaminoazobenzene and phenobarbital induced liver damage in <i>Rattus norvegicus</i> . <i>Drug and Chemical Toxicology</i> , 2020, 43, 454-467.	1.2	14
40	Comparative study on anti-proliferative potentials of zinc oxide and aluminium oxide nanoparticles in colon cancer cells. <i>Acta Biomedica</i> , 2019, 90, 241-247.	0.2	13
41	Targeting colon cancer stem cells using novel doublecortin like kinase 1 antibody functionalized folic acid conjugated hesperetin encapsulated chitosan nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112612.	2.5	13
42	Increased antibody response to microbial antigens in patients with Crohn's disease and their unaffected first-degree relatives. <i>Digestive and Liver Disease</i> , 2013, 45, 894-898.	0.4	12
43	Emerging Role and Clinicopathological Significance of AEG-1 in Different Cancer Types: A Concise Review. <i>Cells</i> , 2021, 10, 1497.	1.8	12
44	Antiproliferative effects of combinational therapy of <i>Lycopodium clavatum</i> and quercetin in colon cancer cells. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2020, 31, .	0.7	12
45	Inflammatory Bowel Disease Therapies Adversely Affect Fertility in Men- A Systematic Review and Meta-analysis. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2019, 19, 959-974.	0.6	12
46	Protective potentials of a plant extract (<i>Lycopodium clavatum</i>) on mice chronically fed hepato-carcinogens. <i>Indian Journal of Experimental Biology</i> , 2009, 47, 602-7.	0.5	12
47	5-Azacytidine incorporated polycaprolactone-gelatin nanoscaffold as a potential material for cardiomyocyte differentiation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020, 31, 123-140.	1.9	11
48	Evaluation of potential anticancer activity of cationic liposomal nanoformulated <i>Lycopodium clavatum</i> in colon cancer cells. <i>IET Nanobiotechnology</i> , 2018, 12, 727-732.	1.9	10
49	Functional variations between Mesenchymal Stem Cells of different tissue origins: A comparative gene expression profiling. <i>Biotechnology Letters</i> , 2020, 42, 1287-1304.	1.1	9
50	Review on comparative efficacy of bevacizumab, panitumumab and cetuximab antibody therapy with combination of FOLFOX-4 in KRAS-mutated colorectal cancer patients. <i>Oncotarget</i> , 2018, 9, 7739-7748.	0.8	9
51	Fecal lactoferrin and intestinal permeability are effective non-invasive markers in the diagnostic work-up of chronic diarrhea. <i>BioMetals</i> , 2014, 27, 1069-1076.	1.8	8
52	Metabolism of Dietary Polyphenols by Human Gut Microbiota and Their Health Benefits. , 2018, , 347-359.		8
53	Expressions of miR-302a, miR-105, and miR-888 Play Critical Roles in Pathogenesis, Radiotherapy, and Prognosis on Rectal Cancer Patients: A Study From Rectal Cancer Patients in a Swedish Rectal Cancer Trial of Preoperative Radiotherapy to Big Database Analyses. <i>Frontiers in Oncology</i> , 2020, 10, 567042.	1.3	8
54	A Review of AEG-1 Oncogene Regulating MicroRNA Expression in Colon Cancer Progression. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2021, 21, 27-34.	0.6	8

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55	The impact of fusion genes on cancer stem cells and drug resistance. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 3771-3783.	1.4	8
56	Vitagenic Effect of Specific Bioactive Fractions of <i>Rhodiola</i> with <i>Trachurus</i> sp. Extract Against Oxidative Stress-Induced Aging in Human Amnion Derived Epithelial Cell Line: In View of a Novel Senolytic. <i>Current Aging Science</i> , 2021, 14, 139-153.	0.4	8
57	Sources, isolation strategies and therapeutic outcome of exosomes at a glance. <i>Regenerative Medicine</i> , 2020, 15, 2361-2378.	0.8	8
58	A Brief Review on the Regulatory Roles of MicroRNAs in Cystic Diseases and Their Use as Potential Biomarkers. <i>Genes</i> , 2022, 13, 191.	1.0	8
59	Evidences of Protective Potentials of Microdoses of Ultra-High Diluted Arsenic Trioxide in Mice Receiving Repeated Injections of Arsenic Trioxide. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-10.	0.5	7
60	A Follow-Up Study on the Efficacy of the Homeopathic Remedy <i>Arsenicum album</i> in Volunteers Living in High Risk Arsenic Contaminated Areas. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-9.	0.5	7
61	Assessment of the cytotoxicity of cerium, tin, aluminum, and zinc oxide nanoparticles on human cells. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	7
62	Effect of Human Platelet Lysate in Differentiation of Wharton's Jelly Derived Mesenchymal Stem Cells. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2019, 19, 1177-1191.	0.6	7
63	A review on role of ATM gene in hereditary transfer of colorectal cancer. <i>Acta Biomedica</i> , 2019, 89, 463-469.	0.2	7
64	Essentiality, relevance, and efficacy of adjuvant/combinational therapy in the management of thyroid dysfunctions. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112613.	2.5	7
65	Current Understanding of Epigenetics Driven Therapeutic Strategies in Colorectal Cancer Management. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2021, 21, .	0.6	6
66	Over-Expression of MicroRNA-122 Inhibits Proliferation and Induces Apoptosis in Colon Cancer Cells. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2021, 9, 354-362.	0.6	6
67	An initial report on the efficacy of a millesimal potency <i>Arsenicum Album</i> LM 0/3 in ameliorating arsenic toxicity in humans living in a high-risk arsenic village. <i>Zhong Xi Yi Jie He Xue Bao</i> , 2011, 9, 596-604.	0.7	6
68	Conditioned medium from the human umbilical cord-mesenchymal stem cells stimulate the proliferation of human keratinocytes. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2021, 32, 51-56.	0.7	6
69	Role of ER Stress Mediated Unfolded Protein Responses and ER Stress Inhibitors in the Pathogenesis of Inflammatory Bowel Disease. <i>Digestive Diseases and Sciences</i> , 2022, 67, 5392-5406.	1.1	6
70	Making Biomarkers Relevant to Healthcare Innovation and Precision Medicine. <i>Processes</i> , 2022, 10, 1107.	1.3	6
71	An Overview of Dietary Polyphenols and Their Therapeutic Effects. , 2018, , 221-235.		5
72	Predictive Role of Biopsy Based Biomarkers for Radiotherapy Treatment in Rectal Cancer. <i>Journal of Personalized Medicine</i> , 2020, 10, 168.	1.1	5

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73	Crude Extract of Turmeric Reduces Hepato-Toxicity and Oxidative Stress in Rats Chronically Fed Carcinogens. <i>Journal of Complementary and Integrative Medicine</i> , 2008, 5, .	0.4	4
74	Inhibition of Human Breast Cancer Cell Growth and Enzymatic Activity by a Fermented Nutraceutical. <i>Annals of the New York Academy of Sciences</i> , 2009, 1155, 273-277.	1.8	4
75	Significant expression of tafazzin (TAZ) protein in colon cancer cells and its downregulation by radiation. <i>International Journal of Radiation Biology</i> , 2018, 94, 79-87.	1.0	4
76	Emerging Importance of microRNA in Early Detection of Colorectal Cancer. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2021, 21, 2-3.	0.6	4
77	Beyond Physical Exercise: The Role of Nutrition, Gut Microbiota and Nutraceutical Supplementation in Reducing Age-Related Sarcopenia. <i>Current Aging Science</i> , 2021, 14, 94-104.	0.4	4
78	Oxidative Stress and Cellular Senescence: The Key Tumor-promoting Factors in Colon Cancer and Beneficial Effects of Polyphenols in Colon Cancer Prevention. <i>Current Cancer Therapy Reviews</i> , 2021, 17, 292-303.	0.2	4
79	A Concise Review on the Role of Natural and Synthetically Derived Peptides in Colorectal Cancer. <i>Current Topics in Medicinal Chemistry</i> , 2022, 22, 2571-2588.	1.0	4
80	Traditional medicine for aging-related disorders: Implications for drug discovery. , 2021, , 281-297.		3
81	In silico analysis and prediction of transcription factors of the proteins interacting with astrocyte elevated gene-1. <i>Computational Biology and Chemistry</i> , 2021, 92, 107478.	1.1	3
82	A review on interplay between small RNAs and oxidative stress in cancer progression. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 4117-4131.	1.4	3
83	PINCH expression in relation to radiation response in co-cultured colon cancer cells and in rectal cancer patients. <i>Oncology Reports</i> , 2013, 30, 2097-2104.	1.2	2
84	Is Biotechnological Next-Generation Therapeutics Promising Enough in Clinical Development to Treat Advanced Colon Cancer?. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 1287-1301.	0.9	2
85	Irritable bowel syndrome and lactose intolerance: the importance of differential diagnosis. A monocentric study. <i>Minerva Gastroenterology</i> , 2021, 67, 72-78.	0.3	2
86	Is chronic feeding of low dose alcohol hepatotoxic or genotoxic?: A time course study in mice. <i>Nucleus (India)</i> , 2014, 57, 229-235.	0.9	1
87	Silencing of Astrocyte Elevated Gene-1 (AEG-1) inhibits the proliferative and invasive potential through interaction with Exostosin-1 (EXT-1) in primary and metastatic colon cancer cells. <i>Biocell</i> , 2021, 45, 563-576.	0.4	1
88	Alternative stromal cell-based therapies for aging and regeneration. , 2021, , 251-270.		1
89	Abstract 1460: Tumor suppressor miR-137 inhibits colorectal cancer progression by negatively regulating cancer stem cell marker, Musashi-1. , 2014, , .		1
90	Abstract 3127: Small but lethal, miR-137 acts as a tumor suppressive microRNA in colorectal cancer. , 2015, , .		0

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91	Role of Heparin Sodium Salt in the Modulation of Human Umbilical Cord-Derived Mesenchymal Stem Cell Differentiation. <i>Journal of Applied Biotechnology Reports</i> , 2019, 6, 165-171.	0.9	0
92	Role of Hippo Pathway Effector Tafazzin Protein in Maintaining Stemness of Umbilical Cord-Derived Mesenchymal Stem Cells (UC-MS). <i>International Journal of Hematology-Oncology and Stem Cell Research</i> , 2018, 12, 153-165.	0.3	0
93	STW 5 Herbal Preparation Modulates Wnt3a and Claudin 1 Gene Expression in Zebrafish IBS-like Model. <i>Pharmaceuticals</i> , 2021, 14, 1234.	1.7	0