

# Basil Rigas

## List of Publications by Year in descending order

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66  
papers

3,056  
citations

185998

28  
h-index

155451

55  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of nonsteroidal anti-inflammatory drugs on proliferation and on induction of apoptosis in colon cancer cells by a prostaglandin-independent pathway. <i>Biochemical Pharmacology</i> , 1996, 52, 237-245.	2.0	572
2	Nonsteroidal Antiinflammatory Drugs Inhibit the Proliferation of Colon Adenocarcinoma Cells: Effects on Cell Cycle and Apoptosis. <i>Experimental Cell Research</i> , 1996, 222, 179-188.	1.2	311
3	Selected eicosanoids increase the proliferation rate of human colon carcinoma cell lines and mouse colonocytes in vivo. <i>Lipids and Lipid Metabolism</i> , 1995, 1258, 215-223.	2.6	167
4	The Role of Cyclooxygenase Inhibition in the Antineoplastic Effects of Nonsteroidal Antiinflammatory Drugs (Nsaids). <i>Journal of Experimental Medicine</i> , 1999, 190, 445-450.	4.2	153
5	Nitric-oxide-donating NSAIDs as agents for cancer prevention. <i>Trends in Molecular Medicine</i> , 2004, 10, 324-330.	3.5	139
6	Nanodelivery strategies in cancer chemotherapy: biological rationale and pharmaceutical perspectives. <i>Nanomedicine</i> , 2012, 7, 1577-1590.	1.7	132
7	The Thioredoxin System Mediates Redox-Induced Cell Death in Human Colon Cancer Cells: Implications for the Mechanism of Action of Anticancer Agents. <i>Cancer Research</i> , 2008, 68, 8269-8277.	0.4	101
8	NO-donating aspirin inhibits intestinal carcinogenesis in Min (APCMin/+) mice. <i>Biochemical and Biophysical Research Communications</i> , 2004, 313, 784-788.	1.0	90
9	Positional Isomerism Markedly Affects the Growth Inhibition of Colon Cancer Cells by Nitric Oxide-Donating Aspirin in Vitro and in Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 312, 978-988.	1.3	79
10	Targeting Mitochondrial STAT3 with the Novel Phospho-Valproic Acid (MDC-1112) Inhibits Pancreatic Cancer Growth in Mice. <i>PLoS ONE</i> , 2013, 8, e61532.	1.1	68
11	NO-donating aspirin isomers downregulate peroxisome proliferator-activated receptor (PPAR) $\gamma$ expression in APCmin /+ mice proportionally to their tumor inhibitory effect: Implications for the role of PPAR $\gamma$ in carcinogenesis. <i>Carcinogenesis</i> , 2006, 27, 232-239.	1.3	60
12	Phospho-Sulindac (OXT-328), a Novel Sulindac Derivative, Is Safe and Effective in Colon Cancer Prevention in Mice. <i>Gastroenterology</i> , 2010, 139, 1320-1332.	0.6	54
13	Repurposing the Antipsychotic Trifluoperazine as an Antimetastasis Agent. <i>Molecular Pharmacology</i> , 2015, 87, 501-512.	1.0	49
14	Cancer Prevention: A New Era beyond Cyclooxygenase-2. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 1-8.	1.3	48
15	The use of nitric oxide-donating nonsteroidal anti-inflammatory drugs in the chemoprevention of colorectal neoplasia. <i>Current Opinion in Gastroenterology</i> , 2007, 23, 55-59.	1.0	48
16	Chemotherapeutic Properties of Phospho-Nonsteroidal Anti-Inflammatory Drugs, a New Class of Anticancer Compounds. <i>Cancer Research</i> , 2011, 71, 7617-7627.	0.4	48
17	NSAID-induced corneal melt: Clinical importance, pathogenesis, and risk mitigation. <i>Survey of Ophthalmology</i> , 2020, 65, 1-11.	1.7	48
18	Altered Interactions between the Gut Microbiome and Colonic Mucosa Precede Polyposis in APCMin/+ Mice. <i>PLoS ONE</i> , 2015, 10, e0127985.	1.1	48

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19	Oxidative Stress Mediates through Apoptosis the Anticancer Effect of Phospho-Nonsteroidal Anti-Inflammatory Drugs: Implications for the Role of Oxidative Stress in the Action of Anticancer Agents. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 338, 775-783.	1.3	46
20	Phospho-Sulindac (OXT-328) Combined with Difluoromethylornithine Prevents Colon Cancer in Mice. <i>Cancer Prevention Research</i> , 2011, 4, 1052-1060.	0.7	45
21	Preclinical Predictors of Anticancer Drug Efficacy: Critical Assessment with Emphasis on Whether Nanomolar Potency Should Be Required of Candidate Agents: TABLE 1. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 341, 572-578.	1.3	44
22	NSAIDs and Colorectal Cancer Control: Promise and Challenges. <i>Current Pharmacology Reports</i> , 2015, 1, 295-301.	1.5	42
23	NO-donating aspirin inhibits the activation of NF- $\kappa$ B in human cancer cell lines and Min mice. <i>Carcinogenesis</i> , 2008, 29, 390-397.	1.3	41
24	Carboxylesterases 1 and 2 Hydrolyze Phospho-Nonsteroidal Anti-Inflammatory Drugs: Relevance to Their Pharmacological Activity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 340, 422-432.	1.3	37
25	Phospho-Ibuprofen (MDC-917) Is a Novel Agent against Colon Cancer: Efficacy, Metabolism, and Pharmacokinetics in Mouse Models. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 337, 876-886.	1.3	33
26	Phosphoaspirin (MDC-43), a novel benzyl ester of aspirin, inhibits the growth of human cancer cell lines more potently than aspirin: a redox-dependent effect. <i>Carcinogenesis</i> , 2009, 30, 512-519.	1.3	31
27	The Evolving Role of Nonsteroidal Anti-Inflammatory Drugs in Colon Cancer Prevention: A Cause for Optimism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 353, 2-8.	1.3	30
28	MC-12, an Annexin A1-Based Peptide, Is Effective in the Treatment of Experimental Colitis. <i>PLoS ONE</i> , 2012, 7, e41585.	1.1	29
29	Phospho-sulindac (OXT-922) inhibits the growth of human colon cancer cell lines: a redox/polyamine-dependent effect. <i>Carcinogenesis</i> , 2010, 31, 1982-1990.	1.3	27
30	Phosphosulindac (OXT-328) Selectively Targets Breast Cancer Stem Cells In Vitro and in Human Breast Cancer Xenografts. <i>Stem Cells</i> , 2012, 30, 2065-2075.	1.4	26
31	Regioselective oxidation of phospho-NSAIDs by human cytochrome P450 and flavin monooxygenase isoforms: implications for their pharmacokinetic properties and safety. <i>British Journal of Pharmacology</i> , 2012, 167, 222-232.	2.7	25
32	Phospho-ibuprofen (MDC-917) suppresses breast cancer growth: an effect controlled by the thioredoxin system. <i>Breast Cancer Research</i> , 2012, 14, R20.	2.2	23
33	Sterically Stabilized Liposomes Incorporating the Novel Anticancer Agent Phospho-Ibuprofen (MDC-917): Preparation, Characterization, and In Vitro/In Vivo Evaluation. <i>Pharmaceutical Research</i> , 2012, 29, 1435-1443.	1.7	22
34	Pegylation Improves the Pharmacokinetics and Bioavailability of Small-Molecule Drugs Hydrolyzable by Esterases: A Study of Phospho-Ibuprofen. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 351, 61-66.	1.3	22
35	Phospho-aspirin (MDC-22) inhibits breast cancer in preclinical animal models: an effect mediated by EGFR inhibition, p53 acetylation and oxidative stress. <i>BMC Cancer</i> , 2014, 14, 141.	1.1	20
36	Alkaline Ceramidase 1 Protects Mice from Premature Hair Loss by Maintaining the Homeostasis of Hair Follicle Stem Cells. <i>Stem Cell Reports</i> , 2017, 9, 1488-1500.	2.3	18

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37	Phosphosulindac is efficacious in an improved concanavalin A-based rabbit model of chronic dry eye disease. <i>Translational Research</i> , 2018, 198, 58-72.	2.2	18
38	A New Rabbit Model of Chronic Dry Eye Disease Induced by Complete Surgical Dacryoadenectomy. <i>Current Eye Research</i> , 2019, 44, 863-872.	0.7	18
39	Animal models of dry eye disease: Useful, varied and evolving (Review). <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 1394.	0.8	18
40	Phospho-NSAIDs Have Enhanced Efficacy in Mice Lacking Plasma Carboxylesterase: Implications for their Clinical Pharmacology. <i>Pharmaceutical Research</i> , 2015, 32, 1663-1675.	1.7	17
41	Topical phospho-sulindac (OXT-328) is effective in the treatment of non-melanoma skin cancer. <i>International Journal of Oncology</i> , 2012, 41, 1199-1203.	1.4	16
42	Phospho-Sulindac (OXT-328) Inhibits the Growth of Human Lung Cancer Xenografts in Mice: Enhanced Efficacy and Mitochondria Targeting by its Formulation in Solid Lipid Nanoparticles. <i>Pharmaceutical Research</i> , 2012, 29, 3090-3101.	1.7	16
43	Phospho-sulindac inhibits pancreatic cancer growth: NFATc1 as a drug resistance candidate. <i>International Journal of Oncology</i> , 2014, 44, 521-529.	1.4	15
44	Aerosol Administration of Phospho-Sulindac Inhibits Lung Tumorigenesis. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 1417-1428.	1.9	13
45	The ocular pharmacokinetics and biodistribution of phospho-sulindac (OXT-328) formulated in nanoparticles: Enhanced and targeted tissue drug delivery. <i>International Journal of Pharmaceutics</i> , 2019, 557, 273-279.	2.6	13
46	FT-IR Microspectroscopy of Mouse Colon Tissues. <i>American Journal of Pathology</i> , 2012, 181, 1961-1968.	1.9	12
47	The Chemoprevention of Ovarian Cancer: the Need and the Options. <i>Current Pharmacology Reports</i> , 2018, 4, 250-260.	1.5	12
48	The anticancer effect of phospho-tyrosol-indomethacin (MPI-621), a novel phosphoderivative of indomethacin: in vitro and in vivo studies. <i>Carcinogenesis</i> , 2013, 34, 943-951.	1.3	11
49	Phospho-Aspirin (MDC-22) Prevents Pancreatic Carcinogenesis in Mice. <i>Cancer Prevention Research</i> , 2016, 9, 624-634.	0.7	11
50	Phospho-valproic acid inhibits pancreatic cancer growth in mice: Enhanced efficacy by its formulation in poly-(L)-lactic acid-poly(ethylene glycol) nanoparticles. <i>International Journal of Oncology</i> , 2017, 51, 1035-1044.	1.4	10
51	The novel phenylester anticancer compounds: Study of a derivative of aspirin (phoshoaspirin). <i>International Journal of Oncology</i> , 2008, 32, 97-100.	1.4	10
52	Topically Applied Phospho-Sulindac Hydrogel is Efficacious and Safe in the Treatment of Experimental Arthritis in Rats. <i>Pharmaceutical Research</i> , 2013, 30, 1471-1482.	1.7	9
53	A novel ibuprofen derivative with anti-lung cancer properties: Synthesis, formulation, pharmacokinetic and efficacy studies. <i>International Journal of Pharmaceutics</i> , 2014, 477, 236-243.	2.6	9
54	Phospho-valproic acid (MDC-1112) suppresses glioblastoma growth in preclinical models through the inhibition of STAT3 phosphorylation. <i>Carcinogenesis</i> , 2019, 40, 1480-1491.	1.3	9

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55	Phospho-Aspirin-2 (MDC-22) Inhibits Estrogen Receptor Positive Breast Cancer Growth Both In Vitro and In Vivo by a Redox-Dependent Effect. PLoS ONE, 2014, 9, e111720.	1.1	9
56	The in vitro metabolism of phospho-sulindac amide, a novel potential anticancer agent. Biochemical Pharmacology, 2014, 91, 249-255.	2.0	5
57	A Rabbit Model of Aqueous-Deficient Dry Eye Disease Induced by Concanavalin A Injection into the Lacrimal Glands: Application to Drug Efficacy Studies. Journal of Visualized Experiments, 2020, , .	0.2	5
58	Screening for colorectal cancer: does it all start with aberrant crypt foci?. Gastrointestinal Endoscopy, 2008, 67, 1103-1105.	0.5	4
59	Establishment of a Severe Dry Eye Model Using Complete Dacryoadenectomy in Rabbits. Journal of Visualized Experiments, 2020, , .	0.2	3
60	Diagnosis of Dry Eye Disease Using Principal Component Analysis: A Study in Animal Models of the Disease. Current Eye Research, 2021, 46, 622-629.	0.7	3
61	The transcriptome of rabbit conjunctiva in dry eye disease: Large-scale changes and similarity to the human dry eye. PLoS ONE, 2021, 16, e0254036.	1.1	3
62	Hydrogel formulation of phosphosulindac allows once-a-day ocular dosing and limits its biodistribution to the anterior chamber: Application to dry eye disease treatment. Journal of Drug Delivery Science and Technology, 2022, 67, 102961.	1.4	2
63	Once-Daily Topical Phosphosulindac Is Efficacious in the Treatment of Dry Eye Disease: Studies in Rabbit Models of Its Main Clinical Subtypes. Journal of Ocular Pharmacology and Therapeutics, 2022, 38, 102-113.	0.6	2
64	Phospho-Sulindac (OXT-328) Inhibits Dry Eye Disease in Rabbits: A Dose-, Formulation- and Structure-Dependent Effect. Journal of Ocular Pharmacology and Therapeutics, 2021, 37, 321-330.	0.6	1
65	Simplified ex-vivo drug evaluation in ocular surface cells: Culture on cellulose filters of cells obtained by impression cytology. Experimental Eye Research, 2021, 213, 108827.	1.2	0
66	An Improved Ocular Impression Cytology Method: Quantitative Cell Transfer to Microscope Slides Using a Novel Polymer. Current Eye Research, 2022, 47, 41-50.	0.7	0