

Nikolaos G Kostomitsopoulos

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,303
citations

393982

19
h-index

395343

33
g-index

70
all docs

70
docs citations

70
times ranked

2371
citing authors

#	ARTICLE	IF	CITATIONS
1	Saffron: a natural product with potential pharmaceutical applications. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 1634-1649.	1.2	154
2	A comparative anatomic and physiologic overview of the porcine heart. <i>Journal of the American Association for Laboratory Animal Science</i> , 2014, 53, 432-8.	0.6	124
3	Empagliflozin Limits Myocardial Infarction in Vivo and Cell Death in Vitro: Role of STAT3, Mitochondria, and Redox Aspects. <i>Frontiers in Physiology</i> , 2017, 8, 1077.	1.3	100
4	Degradation pattern of a porcine collagen membrane in an in vivo model of guided bone regeneration. <i>Journal of Periodontal Research</i> , 2018, 53, 430-439.	1.4	55
5	Chronic Empagliflozin Treatment Reduces Myocardial Infarct Size in Nondiabetic Mice Through STAT-3-Mediated Protection on Microvascular Endothelial Cells and Reduction of Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 551-571.	2.5	44
6	Effects of Exercise Training on the Severity and Composition of Atherosclerotic Plaque in apoE-Deficient Mice. <i>Journal of Vascular Research</i> , 2011, 48, 347-356.	0.6	38
7	The anti-inflammatory effects of exercise training promote atherosclerotic plaque stabilization in apolipoprotein E knockout mice with diabetic atherosclerosis. <i>European Journal of Histochemistry</i> , 2013, 57, 3.	0.6	38
8	Serum and tissue pharmacokinetics of silibinin after per os and i.v. administration to mice as a HP- β -CD lyophilized product. <i>International Journal of Pharmaceutics</i> , 2015, 493, 366-373.	2.6	36
9	Transient and cumulative memory impairments induced by GSM 1.8 GHz cell phone signal in a mouse model. <i>Electromagnetic Biology and Medicine</i> , 2013, 32, 95-120.	0.7	34
10	3-BrPA eliminates human bladder cancer cells with highly oncogenic signatures via engagement of specific death programs and perturbation of multiple signaling and metabolic determinants. <i>Molecular Cancer</i> , 2015, 14, 135.	7.9	32
11	Levosimendan prevents doxorubicin-induced cardiotoxicity in time- and dose-dependent manner: implications for inotropy. <i>Cardiovascular Research</i> , 2020, 116, 576-591.	1.8	32
12	<i>Crocus sativus</i> L. aqueous extract reduces atherogenesis, increases atherosclerotic plaque stability and improves glucose control in diabetic atherosclerotic animals. <i>Atherosclerosis</i> , 2018, 268, 207-214.	0.4	31
13	Saffron (<i>Crocus sativus</i>) intake provides nutritional preconditioning against myocardial ischemia- \rightarrow reperfusion injury in Wild Type and ApoE ($\hat{\sim}$ / $\hat{\sim}$) mice: Involvement of Nrf2 activation. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2017, 27, 919-929.	1.1	29
14	The effect of experimental osteoporosis on bone regeneration: Part 1, histology findings. <i>Clinical Oral Implants Research</i> , 2017, 28, e101-e110.	1.9	27
15	Hippocampal lipidome and transcriptome profile alterations triggered by acute exposure of mice to GSM 1800 MHz mobile phone radiation: An exploratory study. <i>Brain and Behavior</i> , 2018, 8, e01001.	1.0	26
16	Functional modulation of gut microbiota in diabetic rats following dietary intervention with pistachio nuts (<i>Pistacia vera</i> L.). <i>Metabolism Open</i> , 2020, 7, 100040.	1.4	26
17	Investigating and re-evaluating the role of glycogen synthase kinase 3 beta kinase as a molecular target for cardioprotection by using novel pharmacological inhibitors. <i>Cardiovascular Research</i> , 2019, 115, 1228-1243.	1.8	25
18	Silibinin Effect on Fas/FasL, HMGB1, and CD45 Expressions in a Rat Model Subjected to Liver Ischemia-Reperfusion Injury. <i>Journal of Investigative Surgery</i> , 2018, 31, 491-502.	0.6	24

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19	CD8+ T cells in beige adipogenesis and energy homeostasis. JCI Insight, 2018, 3, .	2.3	24
20	The Complementary Effects of Atorvastatin and Exercise Treatment on the Composition and Stability of the Atherosclerotic Plaques in ApoE Knockout Mice. PLoS ONE, 2014, 9, e108240.	1.1	23
21	Cardioprotection by selective SGLT-2 inhibitors in a non-diabetic mouse model of myocardial ischemia/reperfusion injury: a class or a drug effect?. Basic Research in Cardiology, 2022, 117, 27.	2.5	21
22	Preparation, chemical characterization and determination of crocetin's pharmacokinetics after oral and intravenous administration of saffron (<i>Crocus sativus</i> L.) aqueous extract to C57/BL6J mice. Journal of Pharmacy and Pharmacology, 2019, 71, 753-764.	1.2	19
23	In Vivo Tests of Implantable Antennas in Rats: Antenna Size and Intersubject Considerations. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1396-1399.	2.4	18
24	Assessing the exploratory and anxiety-related behaviors of mice. Do different caging systems affect the outcome of behavioral tests?. Physiology and Behavior, 2017, 177, 68-73.	1.0	17
25	The effects of different types of individually ventilated caging systems on growing male mice. Lab Animal, 2012, 41, 192-197.	0.2	15
26	Silibinin Improves TNF- α and M30 Expression and Histological Parameters in Rat Kidneys After Hepatic Ischemia/Reperfusion. Journal of Investigative Surgery, 2018, 31, 201-209.	0.6	15
27	Silibinin-hydroxypropyl- β -cyclodextrin (SLB-HP- β -CD) complex prevents apoptosis in liver and kidney after hepatic ischemia-reperfusion injury. Food and Chemical Toxicology, 2020, 145, 111731.	1.8	15
28	Acute administration of the olive constituent, oleuropein, combined with ischemic postconditioning increases myocardial protection by modulating oxidative defense. Free Radical Biology and Medicine, 2021, 166, 18-32.	1.3	14
29	The Influence of the Location of a Nest Box in an Individually Ventilated Cage on the Preference of Mice to Use It. Journal of Applied Animal Welfare Science, 2007, 10, 111-121.	0.4	12
30	Histological and biomechanical characterization of decellularized porcine pericardium as a potential scaffold for tissue engineering applications. Bio-Medical Materials and Engineering, 2017, 28, 477-488.	0.4	12
31	The cardiovascular-protective properties of saffron and its potential pharmaceutical applications: A critical appraisal of the literature. Phytotherapy Research, 2021, 35, 6735-6753.	2.8	12
32	Eradication of Helicobacter bilis and H. hepaticus from infected mice by using a medicated diet. Lab Animal, 2007, 36, 37-40.	0.2	11
33	Versatile quarto stimuli nanostructure based on Trojan Horse approach for cancer therapy: Synthesis, characterization, in vitro and in vivo studies. Materials Science and Engineering C, 2017, 79, 605-612.	3.8	11
34	Statins™ Withdrawal Induces Atherosclerotic Plaque Destabilization in Animal Model™ A “Rebound” Stimulation of Inflammation. Journal of Cardiovascular Pharmacology and Therapeutics, 2019, 24, 377-386.	1.0	11
35	Cilostazol Mediates Immune Responses and Affects Angiogenesis During the Acute Phase of Hind Limb Ischemia in a Mouse Model. Journal of Cardiovascular Pharmacology and Therapeutics, 2020, 25, 273-285.	1.0	11
36	Sildenafil 4.0™ Integrated Synthetic Chemistry, Formulation and Analytical Strategies Effecting Immense Therapeutic and Societal Impact in the Fourth Industrial Era. Pharmaceuticals, 2021, 14, 365.	1.7	11

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37	Exercise Training Attenuates the Development of Cardiac Autonomic Dysfunction in Diabetic Rats. In <i>Vivo</i> , 2018, 32, 1433-1441.	0.6	10
38	Nonalcoholic fatty liver disease: The role of quercetin and its therapeutic implications. <i>Saudi Journal of Gastroenterology</i> , 2021, 27, 319-330.	0.5	10
39	18-Fluoro-2-deoxy-d-glucose positron emission tomography/computed tomography scan for monitoring the therapeutic response in experimental <i>Staphylococcus aureus</i> foreign-body osteomyelitis. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 132.	0.9	9
40	Effects of pre- and postnatal exposure to 1880â€“1900 MHz DECT base radiation on development in the rat. <i>Reproductive Toxicology</i> , 2016, 65, 248-262.	1.3	9
41	The effects of exercise training on cardiac matrix metalloproteinases activity and cardiac function in mice with diabetic cardiomyopathy. <i>Biochemical and Biophysical Research Communications</i> , 2022, 586, 8-13.	1.0	9
42	A Comprehensive Review of the Cardiovascular Protective Properties of Silibinin/Silymarin: A New Kid on the Block. <i>Pharmaceuticals</i> , 2022, 15, 538.	1.7	9
43	The neuroprotective agent Rasagiline mesylate attenuates cardiac remodeling after experimental myocardial infarction. <i>ESC Heart Failure</i> , 2017, 4, 331-340.	1.4	8
44	The Post-Storage Performance of RBCs from Beta-Thalassemia Trait Donors Is Related to Their Storability Profile. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12281.	1.8	8
45	The role of exercise training and the endocannabinoid system in atherosclerotic plaque burden and composition in Apo-E-deficient mice. <i>Hellenic Journal of Cardiology</i> , 2016, 57, 417-425.	0.4	7
46	In vivo toxicity study of quatro stimuli nanocontainers in pregnant rats: Gestation, parturition and offspring evaluation. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 98, 161-167.	1.3	7
47	Experimental <i>Candida albicans</i> osteomyelitis: Microbiologic, antigenic, histologic, and 18FDG-PET-CT imaging characteristics in a newly established rabbit model. <i>Medical Mycology</i> , 2019, 57, 1011-1017.	0.3	7
48	Stress response to ovariectomy in rabbits: role of anaesthesia and surgery. <i>Journal of Obstetrics and Gynaecology</i> , 2018, 38, 697-701.	0.4	5
49	A novel anticalcification treatment strategy for bioprosthetic valves and review of the literature. <i>Journal of Cardiac Surgery</i> , 2019, 34, 895-900.	0.3	5
50	Glycoprotein non-metastatic melanoma B expression after hepatic ischemia reperfusion and the effect of silibinin. <i>Translational Gastroenterology and Hepatology</i> , 2020, 5, 7-7.	1.5	5
51	Pro-inflammatory cytokines/chemokines, TNF- α , IL-6 and MCP-1, as biomarkers for the nephro- and pneumoprotective effect of silibinin after hepatic ischemia/reperfusion: Confirmation by immunohistochemistry and qRT-PCR. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2022, 130, 457-467.	1.2	5
52	Use of Real-Time Ultrasonography as an Alternative Method for Early Detection, Confirmation and Evaluation of Rat Pregnancy. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 1372-1378.	0.7	4
53	Applying Broadband Dielectric Spectroscopy (BDS) for the Biophysical Characterization of Mammalian Tissues under a Variety of Cellular Stresses. <i>International Journal of Molecular Sciences</i> , 2017, 18, 838.	1.8	4
54	The hepatoprotective effect of silibinin after hepatic ischemia/reperfusion in a rat model is confirmed by immunohistochemistry and qRT-PCR. <i>Journal of Pharmacy and Pharmacology</i> , 2021, 73, 1274-1284.	1.2	4

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55	How to generate graded spinal cord injuries in swine “ tools and procedures. DMM Disease Models and Mechanisms, 2021, 14, .	1.2	4
56	Biopharmaceutics 4.0, Advanced Pre-Clinical Development of mRNA-Encoded Monoclonal Antibodies to Immunosuppressed Murine Models. Vaccines, 2021, 9, 890.	2.1	4
57	Dietary Pistachio (<i>Pistacia vera</i> L.) Beneficially Alters Fatty Acid Profiles in Streptozotocin-Induced Diabetic Rat. Applied Sciences (Switzerland), 2022, 12, 4606.	1.3	4
58	A Noninvasive Ocular (Tear) Sampling Method for Genetic Ascertainment of Transgenic Mice and Research Ethics Innovation. OMICS A Journal of Integrative Biology, 2019, 23, 312-317.	1.0	3
59	Calcitonin as an anticalcification treatment for implantable biological tissues. Journal of Cardiology, 2019, 73, 179-182.	0.8	3
60	Growing male rats in individually ventilated and open-top cages. Journal of the American Association for Laboratory Animal Science, 2011, 50, 879-83.	0.6	3
61	Corpuscular Fragility and Metabolic Aspects of Freshly Drawn Beta-Thalassemia Minor RBCs Impact Their Physiology and Performance Post Transfusion: A Triangular Correlation Analysis In Vitro and In Vivo. Biomedicine, 2022, 10, 530.	1.4	3
62	Carotid Stent Restenosis and Thrombosis in Rabbits: The Effect of Antiplatelet Agents. Journal of Cardiovascular Pharmacology and Therapeutics, 2020, 25, 570-577.	1.0	2
63	Effect of ovariectomy and <i>Sideritis euboica</i> extract administration on large artery mechanics, morphology, and structure in middle-aged rats. Biotheology, 2017, 54, 1-23.	1.2	1
64	Improving Military Dogs™ Welfare: Is there a Place for Handlers™ Beliefs and Perceptions?. Society and Animals, 2018, 26, 388-401.	0.1	1
65	Improvements needed in reporting the methodology for STZ-induced diabetes in rats. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E898-E899.	1.8	1
66	Effect of silibinin on the expression of MMP2, MMP3, MMP9 and TIMP2 in kidney and lung after hepatic ischemia/reperfusion injury in an experimental rat model. Acta Cirurgica Brasileira, 2021, 36, e360904.	0.3	1
67	Strain-specific Differences in the Effects of Lymphocytes on the Development of Insulin Resistance and Obesity in Mice. Comparative Medicine, 2018, 68, 15-24.	0.4	1
68	Βιοηθικη Αξιολογηση Της Χρησης Της Βελονας Ακουστικης Γεννησης Σαν Μεθουδου Γεννησης Της Ακουστικης Απολασης Της Ακουστικης Απολασης. Bioethica, 2016, 2, 16.0		
69	A comparison between sodium bisulfite and Thermo-Fix® anticalcification treatments for implantable biological tissues. Chirurgia (Turin), 2022, 34, .	0.0	0
70	Exercise training inhibits atherosclerosis progression and reduces VE-cadherin levels within atherosclerotic plaques in hypercholesterolemic mice. Biochemical and Biophysical Research Communications, 2022, , .	1.0	0