

Kulmira Nurgali

List of Publications by Year in descending order

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110
papers

4,772
citations

109137

35
h-index

110170

64
g-index

112
all docs

112
docs citations

112
times ranked

6473
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorial: Adverse Effects of Cancer Chemotherapy: Anything New to Improve Tolerance and Reduce Sequelae?. <i>Frontiers in Pharmacology</i> , 2018, 9, 245.	1.6	611
2	Translocation and dissemination of commensal bacteria in post-stroke infection. <i>Nature Medicine</i> , 2016, 22, 1277-1284.	15.2	313
3	Intrinsic primary afferent neurons and nerve circuits within the intestine. <i>Progress in Neurobiology</i> , 2004, 72, 143-164.	2.8	311
4	Colorectal Cancer Chemotherapy: The Evolution of Treatment and New Approaches. <i>Current Medicinal Chemistry</i> , 2017, 24, 1537-1557.	1.2	228
5	Chemotherapy-Induced Constipation and Diarrhea: Pathophysiology, Current and Emerging Treatments. <i>Frontiers in Pharmacology</i> , 2016, 7, 414.	1.6	150
6	Methamphetamine: Effects on the brain, gut and immune system. <i>Pharmacological Research</i> , 2017, 120, 60-67.	3.1	143
7	Eosinophils in Cancer: Favourable or Unfavourable?. <i>Current Medicinal Chemistry</i> , 2016, 23, 650-666.	1.2	128
8	Correlation of electrophysiological and morphological characteristics of enteric neurons in the mouse colon. <i>Journal of Comparative Neurology</i> , 2004, 468, 112-124.	0.9	119
9	The emerging antioxidant paradigm of mesenchymal stem cell therapy. <i>Stem Cells Translational Medicine</i> , 2020, 9, 985-1006.	1.6	117
10	Projections and chemistry of Dogiel type II neurons in the mouse colon. <i>Cell and Tissue Research</i> , 2004, 317, 1-12.	1.5	112
11	Role of the nervous system in cancer metastasis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 5.	3.5	95
12	PD-1/PD-L1 in disease. <i>Immunotherapy</i> , 2018, 10, 149-160.	1.0	90
13	Platinum-based chemotherapy: gastrointestinal immunomodulation and enteric nervous system toxicity. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, G223-G232.	1.6	77
14	Role of oxidative stress in oxaliplatin-induced enteric neuropathy and colonic dysmotility in mice. <i>British Journal of Pharmacology</i> , 2016, 173, 3502-3521.	2.7	74
15	Gastrointestinal dysfunction and enteric neurotoxicity following treatment with anticancer chemotherapeutic agent 5-fluorouracil. <i>Neurogastroenterology and Motility</i> , 2016, 28, 1861-1875.	1.6	65
16	Mechanisms of Chemotherapy-Induced Neurotoxicity. <i>Frontiers in Pharmacology</i> , 2022, 13, 750507.	1.6	64
17	Analysis of purinergic and cholinergic fast synaptic transmission to identified myenteric neurons. <i>Neuroscience</i> , 2003, 116, 335-347.	1.1	61
18	Mitochondria: Inadvertent targets in chemotherapy-induced skeletal muscle toxicity and wasting?. <i>Cancer Chemotherapy and Pharmacology</i> , 2016, 78, 673-683.	1.1	61

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19	Phenotypic changes of morphologically identified guinea pig myenteric neurons following intestinal inflammation. <i>Journal of Physiology</i> , 2007, 583, 593-609.	1.3	58
20	The Complex Interaction between the Tumor Micro-Environment and Immune Checkpoints in Breast Cancer. <i>Cancers</i> , 2019, 11, 1205.	1.7	57
21	Effects of oxaliplatin on mouse myenteric neurons and colonic motility. <i>Frontiers in Neuroscience</i> , 2013, 7, 30.	1.4	55
22	Morphological and functional changes in guinea pig neurons projecting to the ileal mucosa at early stages after inflammatory damage. <i>Journal of Physiology</i> , 2011, 589, 325-339.	1.3	52
23	Methamphetamine and its immune-modulating effects. <i>Maturitas</i> , 2019, 121, 13-21.	1.0	51
24	Anti-Colorectal Cancer Chemotherapy-Induced Diarrhoea: Current Treatments and Side-Effects. <i>International Journal of Clinical Medicine</i> , 2014, 05, 393-406.	0.1	50
25	The mechanisms tumor cells utilize to evade the host's immune system. <i>Maturitas</i> , 2017, 105, 8-15.	1.0	48
26	Crosstalk between cancer and the neuro-immune system. <i>Journal of Neuroimmunology</i> , 2018, 315, 15-23.	1.1	48
27	Intermediate-conductance calcium-activated potassium channels in enteric neurones of the mouse: pharmacological, molecular and immunochemical evidence for their role in mediating the slow afterhyperpolarization. <i>Journal of Neurochemistry</i> , 2004, 90, 1414-1422.	2.1	47
28	Eosinophils in Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 1140-1151.	0.9	47
29	Impact of chemotherapy on gastrointestinal functions and the enteric nervous system. <i>Maturitas</i> , 2017, 105, 23-29.	1.0	43
30	Fecal Microbiota and Metabolome in a Mouse Model of Spontaneous Chronic Colitis. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 2767-2787.	0.9	41
31	Structural changes in the epithelium of the small intestine and immune cell infiltration of enteric ganglia following acute mucosal damage and local inflammation. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2009, 455, 55-65.	1.4	40
32	Anti-Tumor Effects of Vitamin B2, B6 and B9 in Promonocytic Lymphoma Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3763.	1.8	40
33	Mesenchymal stem cells and conditioned medium avert enteric neuropathy and colon dysfunction in guinea pig TNBS-induced colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, G1115-G1129.	1.6	38
34	PARP inhibition in platinum-based chemotherapy: Chemopotential and neuroprotection. <i>Pharmacological Research</i> , 2018, 137, 104-113.	3.1	38
35	Food Proteins as Source of Opioid Peptides-A Review. <i>Current Medicinal Chemistry</i> , 2016, 23, 893-910.	1.2	37
36	Oxaliplatin Treatment Alters Systemic Immune Responses. <i>BioMed Research International</i> , 2019, 2019, 1-15.	0.9	35

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37	Circulating osteogenic precursor cells: Building bone from blood. <i>EBioMedicine</i> , 2019, 39, 603-611.	2.7	35
38	Alterations of colonic function in the <i>Winnie</i> mouse model of spontaneous chronic colitis. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G85-G102.	1.6	34
39	Oxaliplatin-induced enteric neuronal loss and intestinal dysfunction is prevented by co-treatment with BGP-15. <i>British Journal of Pharmacology</i> , 2018, 175, 656-677.	2.7	34
40	Neuroinflammation as an etiological trigger for depression comorbid with inflammatory bowel disease. <i>Journal of Neuroinflammation</i> , 2022, 19, 4.	3.1	34
41	Alterations in the distal colon innervation in <i>Winnie</i> mouse model of spontaneous chronic colitis. <i>Cell and Tissue Research</i> , 2015, 362, 497-512.	1.5	33
42	Role of the Nervous System in Tumor Angiogenesis. <i>Cancer Microenvironment</i> , 2018, 11, 1-11.	3.1	33
43	Oxaliplatin-induced changes in microbiota, TLR4+ cells and enhanced HMGB1 expression in the murine colon. <i>PLoS ONE</i> , 2018, 13, e0198359.	1.1	33
44	Correlation of electrophysiology, shape and synaptic properties of myenteric AH neurons of the guinea pig distal colon. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2003, 103, 50-64.	1.4	32
45	Netrin-1 in the developing enteric nervous system and colorectal cancer. <i>Trends in Molecular Medicine</i> , 2012, 18, 544-554.	3.5	30
46	Human adult stem cells derived from adipose tissue and bone marrow attenuate enteric neuropathy in the guinea-pig model of acute colitis. <i>Stem Cell Research and Therapy</i> , 2015, 6, 244.	2.4	30
47	Effects of Compounds That Influence IK (KCNN4) Channels on Afterhyperpolarizing Potentials, and Determination of IK Channel Sequence, in Guinea Pig Enteric Neurons. <i>Journal of Neurophysiology</i> , 2007, 97, 2024-2031.	0.9	29
48	Effects of Oxaliplatin Treatment on the Enteric Glial Cells and Neurons in the Mouse Ileum. <i>Journal of Histochemistry and Cytochemistry</i> , 2016, 64, 530-545.	1.3	29
49	Attempting to Compensate for Reduced Neuronal Nitric Oxide Synthase Protein with Nitrate Supplementation Cannot Overcome Metabolic Dysfunction but Rather Has Detrimental Effects in Dystrophin-Deficient mdx Muscle. <i>Neurotherapeutics</i> , 2017, 14, 429-446.	2.1	28
50	NADPH Oxidases and Inflammatory Bowel Disease. <i>Current Medicinal Chemistry</i> , 2015, 22, 2100-2109.	1.2	28
51	The multiple faces of tryptophan in bone biology. <i>Experimental Gerontology</i> , 2020, 129, 110778.	1.2	26
52	Inhibition of APE1/Ref-1 Redox Signaling Alleviates Intestinal Dysfunction and Damage to Myenteric Neurons in a Mouse Model of Spontaneous Chronic Colitis. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 388-406.	0.9	26
53	Targeting Enteric Neurons and Plexitis for the Management of Inflammatory Bowel Disease. <i>Current Drug Targets</i> , 2020, 21, 1428-1439.	1.0	26
54	Primary afferent neurons intrinsic to the guinea-pig intestine, like primary afferent neurons of spinal and cranial sensory ganglia, bind the lectin, IB4. <i>Cell and Tissue Research</i> , 2005, 321, 151-157.	1.5	25

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55	Evaluation of in silico approach for prediction of presence of opioid peptides in wheat. <i>Journal of Functional Foods</i> , 2018, 41, 34-40.	1.6	25
56	Effects of platelet-rich plasma and platelet-poor plasma on human dermal fibroblasts. <i>Maturitas</i> , 2018, 117, 34-44.	1.0	24
57	Effects of intestinal inflammation on specific subgroups of guinea-pig celiac ganglion neurons. <i>Neuroscience Letters</i> , 2008, 444, 231-235.	1.0	22
58	The neuroprotective effects of human bone marrow mesenchymal stem cells are dose-dependent in TNBS colitis. <i>Stem Cell Research and Therapy</i> , 2017, 8, 87.	2.4	22
59	The Onset and Progression of Chronic Colitis Parallels Increased Mucosal Serotonin Release via Enterochromaffin Cell Hyperplasia and Downregulation of the Serotonin Reuptake Transporter. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 1021-1034.	0.9	22
60	Irinotecan-Induced Gastrointestinal Dysfunction Is Associated with Enteric Neuropathy, but Increased Numbers of Cholinergic Myenteric Neurons. <i>Frontiers in Physiology</i> , 2017, 8, 391.	1.3	21
61	Anti-cancer effects of polyphenol-rich sugarcane extract. <i>PLoS ONE</i> , 2021, 16, e0247492.	1.1	21
62	Neurotoxicity Associated with Platinum-Based Anti-Cancer Agents: What are the Implications of Copper Transporters?. <i>Current Medicinal Chemistry</i> , 2017, 24, 1520-1536.	1.2	21
63	Neuroprotective Potential of Mesenchymal Stem Cell-Based Therapy in Acute Stages of TNBS-Induced Colitis in Guinea-Pigs. <i>PLoS ONE</i> , 2015, 10, e0139023.	1.1	20
64	Electrophysiological and morphological changes in colonic myenteric neurons from chemotherapy-treated patients: a pilot study. <i>Neurogastroenterology and Motility</i> , 2016, 28, 975-984.	1.6	20
65	Krill oil extract suppresses the proliferation of colorectal cancer cells through activation of caspase 3/9. <i>Nutrition and Metabolism</i> , 2019, 16, 53.	1.3	19
66	Slow synaptic transmission in myenteric AH neurons from the inflamed guinea pig ileum. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, G582-G593.	1.6	18
67	Allogeneic guinea pig mesenchymal stem cells ameliorate neurological changes in experimental colitis. <i>Stem Cell Research and Therapy</i> , 2015, 6, 263.	2.4	17
68	Leukocyte populations and IL-6 in the tumor microenvironment of an orthotopic colorectal cancer model. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 334-341.	0.9	17
69	Resveratrol alleviates oxidative damage in enteric neurons and associated gastrointestinal dysfunction caused by chemotherapeutic agent oxaliplatin. <i>Maturitas</i> , 2017, 105, 100-106.	1.0	17
70	Chemotherapeutic agents induce mitochondrial superoxide production and toxicity but do not alter respiration in skeletal muscle in vitro. <i>Mitochondrion</i> , 2018, 42, 33-49.	1.6	17
71	Preclinical evaluation of the effects on the gastrointestinal tract of the antineoplastic drug vincristine repeatedly administered to rats. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13399.	1.6	17
72	Human enteric neurons: morphological, electrophysiological, and neurochemical identification. <i>Neurogastroenterology and Motility</i> , 2014, 26, 1812-1816.	1.6	16

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73	Rectal prolapse in Winnie mice with spontaneous chronic colitis: changes in intrinsic and extrinsic innervation of the rectum. <i>Cell and Tissue Research</i> , 2016, 366, 285-299.	1.5	15
74	Leucocyte-Rich Platelet-Rich Plasma Enhances Fibroblast and Extracellular Matrix Activity: Implications in Wound Healing. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6519.	1.8	15
75	Vaccine development against methamphetamine drug addiction. <i>Expert Review of Vaccines</i> , 2020, 19, 1105-1114.	2.0	15
76	Plasticity and ambiguity of the electrophysiological phenotypes of enteric neurons. <i>Neurogastroenterology and Motility</i> , 2009, 21, 903-913.	1.6	14
77	Alterations of colonic sensitivity and gastric dysmotility after acute cisplatin and granisetron. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13499.	1.6	14
78	Effects of EphB4 receptor expression on colorectal cancer cells, tumor growth, vascularization and composition. <i>Acta Oncologica</i> , 2018, 57, 1043-1056.	0.8	13
79	Impact of chemotherapy-induced enteric nervous system toxicity on gastrointestinal mucositis. <i>Current Opinion in Supportive and Palliative Care</i> , 2020, 14, 293-300.	0.5	13
80	The Enteric Nervous System and Its Extrinsic Connections. , 0, , 15-39.		11
81	Painful neurotrophins and their role in visceral pain. <i>Behavioural Pharmacology</i> , 2018, 29, 120-139.	0.8	11
82	Effects of Oxaliplatin Treatment on the Myenteric Plexus Innervation and Glia in the Murine Distal Colon. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 723-736.	1.3	11
83	Targeting eotaxin-1 and CCR3 receptor alleviates enteric neuropathy and colonic dysfunction in TNBS-induced colitis in guinea pigs. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13391.	1.6	11
84	Targeted nano-drug delivery system for glioblastoma therapy: In vitro and in vivo study. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 102039.	1.4	11
85	Mesenchymal Stem Cell Treatment of Inflammation-Induced Cancer. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 2694-2703.	0.9	9
86	Divergent Adaptations in Autonomic Nerve Activity and Neuroimmune Signaling Associated With the Severity of Inflammation in Chronic Colitis. <i>Inflammatory Bowel Diseases</i> , 2022, 28, 1229-1243.	0.9	8
87	Chemotherapy-induced mitochondrial respiratory dysfunction, oxidant production and death in healthy skeletal muscle C2C12 myoblast and myotube models. <i>Neuromuscular Disorders</i> , 2015, 25, S202.	0.3	7
88	Potent CCR3 Receptor Antagonist, SB328437, Suppresses Colonic Eosinophil Chemotaxis and Inflammation in the Winnie Murine Model of Spontaneous Chronic Colitis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7780.	1.8	7
89	Co-treatment With BGP-15 Exacerbates 5-Fluorouracil-Induced Gastrointestinal Dysfunction. <i>Frontiers in Neuroscience</i> , 2019, 13, 449.	1.4	5
90	Krill oil extract inhibits the migration of human colorectal cancer cells and down-regulates EGFR signalling and PD-L1 expression. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 372.	1.2	5

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91	Bioimaging of C2C12 Muscle Myoblasts Using Fluorescent Carbon Quantum Dots Synthesized from Bread. <i>Nanomaterials</i> , 2020, 10, 1575.	1.9	5
92	Effects of the food additive monosodium glutamate on cisplatin-induced gastrointestinal dysmotility and peripheral neuropathy in the rat. <i>Neurogastroenterology and Motility</i> , 2021, 33, e14020.	1.6	5
93	Mesenchymal stem cells for the treatment of inflammatory bowel disease: from experimental models to clinical application. <i>Inflammation and Regeneration</i> , 2014, 34, 184-197.	1.5	4
94	Platinum accumulation in the brain and alteration in the central regulation of cardiovascular and respiratory functions in oxaliplatin-treated rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 107-120.	1.3	4
95	Development and validation of a new method to isolate, expand, and differentiate circulating osteogenic precursor (COP) cells. <i>Bone Reports</i> , 2021, 15, 101109.	0.2	4
96	Mesenchymal stem cell treatment for enteric neuropathy in the Winnie mouse model of spontaneous chronic colitis. <i>Cell and Tissue Research</i> , 2022, , 1.	1.5	3
97	Exercise in Menopausal Women. , 2017, , 285-307.		2
98	Characterization of Skeletal Phenotype and Associated Mechanisms With Chronic Intestinal Inflammation in the Winnie Mouse Model of Spontaneous Chronic Colitis. <i>Inflammatory Bowel Diseases</i> , 2022, 28, 259-272.	0.9	2
99	A pilot study on carbon quantum dots for bioimaging of muscle myoblasts. , 2020, , .		2
100	The comparative anti-cancer effects of krill oil and oxaliplatin in an orthotopic mouse model of colorectal cancer. <i>Nutrition and Metabolism</i> , 2022, 19, 12.	1.3	1
101	Metabolically-sensitive (KATP) channels in enteric neurons. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007, 135, 24-25.	1.4	0
102	Hyper-excitability of celiac postganglionic neurons evoked by TNBS-induced ileitis. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007, 135, 84.	1.4	0
103	Effects of mibefradil and Ni ²⁺ on rebound depolarization and spikes in myenteric neurons of the guinea pig ileum. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007, 135, 84-85.	1.4	0
104	Effect of intestinal inflammation on the afterhyperpolarizing potential (AHP) in myenteric neurons. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007, 135, 86.	1.4	0
105	S5.2 Reactions of enteric and sympathetic ganglia to a brief inflammatory stimulus in the guinea-pig ileum. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2009, 149, 27-28.	1.4	0
106	P4.15 Regulation of N-type Ca ²⁺ channels by protein kinases in the guinea-pig myenteric neurons following inflammation. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2009, 149, 97-98.	1.4	0
107	Anti-cancer chemotherapy: Effects on intrinsic and extrinsic innervation of the gastrointestinal tract. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013, 177, 55-56.	1.4	0
108	Extrinsic and intrinsic innervation of the colon in the mouse model of spontaneous chronic colitis. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013, 177, 60.	1.4	0

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109	Netrin-1-like-immunoreactivity Coexpresses With DCC and Has a Differential Level in the Myenteric Cholinergic and Nitregic Neurons of the Adult Mouse Colon. <i>Journal of Histochemistry and Cytochemistry</i> , 2019, 67, 335-349.	1.3	0
110	Krill oil supplementation reduces the growth of CT-26 orthotopic tumours in Balb/c mice. <i>BMC Complementary Medicine and Therapies</i> , 2022, 22, 34.	1.2	0