

Tomasz Brzozowski

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

4,443
citations

87723

38
h-index

128067

60
g-index

117
all docs

117
docs citations

117
times ranked

3958
citing authors

#	ARTICLE	IF	CITATIONS
1	The Combination of Intestinal Alkaline Phosphatase Treatment with Moderate Physical Activity Alleviates the Severity of Experimental Colitis in Obese Mice via Modulation of Gut Microbiota, Attenuation of Proinflammatory Cytokines, Oxidative Stress Biomarkers and DNA Oxidative Damage in Colonic Mucosa. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2964.	1.8	7
2	Impact of Vagotomy on Postoperative Weight Loss, Alimentary Intake, and Enterohormone Secretion After Bariatric Surgery in Experimental Translational Models. <i>Obesity Surgery</i> , 2022, 32, 1586-1600.	1.1	4
3	Role of Obesity, Physical Exercise, Adipose Tissue-Skeletal Muscle Crosstalk and Molecular Advances in Barrett's Esophagus and Esophageal Adenocarcinoma. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3942.	1.8	4
4	Time-extended exposure of gastric epithelial cells to secretome of α -activated fibroblasts induces reprogramming of gastric epithelium towards pre-cancerogenic and pro-invasive phenotype.. <i>American Journal of Cancer Research</i> , 2022, 12, 1337-1371.	1.4	0
5	Organic carbon monoxide prodrug, BW-CO-111, in protection against chemically-induced gastric mucosal damage. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 456-475.	5.7	35
6	Intestinal Alkaline Phosphatase Combined with Voluntary Physical Activity Alleviates Experimental Colitis in Obese Mice. Involvement of Oxidative Stress, Myokines, Adipokines and Proinflammatory Biomarkers. <i>Antioxidants</i> , 2021, 10, 240.	2.2	8
7	Gaseous Mediators as a Key Molecular Targets for the Development of Gastrointestinal-Safe Anti-Inflammatory Pharmacology. <i>Frontiers in Pharmacology</i> , 2021, 12, 657457.	1.6	16
8	Novel Hydrogen Sulfide (H ₂ S)-Releasing BW-HS-101 and Its Non-H ₂ S Releasing Derivative in Modulation of Microscopic and Molecular Parameters of Gastric Mucosal Barrier. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5211.	1.8	8
9	Long-Term <i>Helicobacter pylori</i> Infection Switches Gastric Epithelium Reprogramming towards Cancer Stem Cell-Related Differentiation Program in Hp-Activated Gastric Fibroblast-TGF β ² Dependent Manner. <i>Microorganisms</i> , 2020, 8, 1519.	1.6	12
10	Effect of Acute Sprint Exercise on Myokines and Food Intake Hormones in Young Healthy Men. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8848.	1.8	10
11	Physiological and Pharmacological Mechanisms in Gastrointestinal Protection, Ulcer Healing and Mucosal Repair - An Update. <i>Current Pharmaceutical Design</i> , 2020, 26, 2933-2935.	0.9	2
12	Molecular Profile of Barrett's Esophagus and Gastroesophageal Reflux Disease in the Development of Translational Physiological and Pharmacological Studies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6436.	1.8	6
13	Evidence for Cytoprotective Effect of Carbon Monoxide Donor in the Development of Acute Esophagitis Leading to Acute Esophageal Epithelium Lesions. <i>Cells</i> , 2020, 9, 1203.	1.8	17
14	Synergisms, Discrepancies and Interactions between Hydrogen Sulfide and Carbon Monoxide in the Gastrointestinal and Digestive System Physiology, Pathophysiology and Pharmacology. <i>Biomolecules</i> , 2020, 10, 445.	1.8	20
15	Interaction of epidermal growth factor with COX-2 products and peroxisome proliferator-activated receptor- β system in experimental rat Barrett's esophagus. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G375-G389.	1.6	3
16	Carbon Monoxide Being Hydrogen Sulfide and Nitric Oxide Molecular Sibling, as Endogenous and Exogenous Modulator of Oxidative Stress and Antioxidative Mechanisms in the Digestive System. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	21
17	Alternative Therapy in the Prevention of Experimental and Clinical Inflammatory Bowel Disease. Impact of Regular Physical Activity, Intestinal Alkaline Phosphatase and Herbal Products. <i>Current Pharmaceutical Design</i> , 2020, 26, 2936-2950.	0.9	7
18	<i>Helicobacter pylori</i> -activated gastric fibroblasts induce epithelial-mesenchymal transition of gastric epithelial cells in vitro in a TGF β ² -dependent manner. <i>Helicobacter</i> , 2019, 24, e12653.	1.6	18

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19	Oxidative gastric mucosal damage induced by ischemia/reperfusion and the mechanisms of its prevention by carbon monoxide-releasing tricarbonyldichlororuthenium (II) dimer. <i>Free Radical Biology and Medicine</i> , 2019, 145, 198-208.	1.3	38
20	Effect of Forced Physical Activity on the Severity of Experimental Colitis in Normal Weight and Obese Mice. Involvement of Oxidative Stress and Proinflammatory Biomarkers. <i>Nutrients</i> , 2019, 11, 1127.	1.7	18
21	Curcumin: A Potent Protectant against Esophageal and Gastric Disorders. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1477.	1.8	46
22	Time-dependent course of gastric ulcer healing and molecular markers profile modulated by increased gastric mucosal content of carbon monoxide released from its pharmacological donor. <i>Biochemical Pharmacology</i> , 2019, 163, 71-83.	2.0	23
23	Role of Obesity, Mesenteric Adipose Tissue, and Adipokines in Inflammatory Bowel Diseases. <i>Biomolecules</i> , 2019, 9, 780.	1.8	70
24	Emerging role of carbon monoxide in regulation of cellular pathways and in the maintenance of gastric mucosal integrity. <i>Pharmacological Research</i> , 2018, 129, 56-64.	3.1	30
25	Nitric oxide, afferent sensory nerves, and antioxidative enzymes in the mechanism of protection mediated by tricarbonyldichlororuthenium(II) dimer and sodium hydrosulfide against aspirin-induced gastric damage. <i>Journal of Gastroenterology</i> , 2018, 53, 52-63.	2.3	22
26	Cross-talk between hydrogen sulfide and carbon monoxide in the mechanism of experimental gastric ulcers healing, regulation of gastric blood flow and accompanying inflammation. <i>Biochemical Pharmacology</i> , 2018, 149, 131-142.	2.0	42
27	Exploiting Significance of Physical Exercise in Prevention of Gastrointestinal Disorders. <i>Current Pharmaceutical Design</i> , 2018, 24, 1916-1925.	0.9	18
28	Alterations in Gastric Mucosal Expression of Calcitonin Gene-Related Peptides, Vanilloid Receptors, and Heme Oxygenase-1 Mediate Gastroprotective Action of Carbon Monoxide against Ethanol-Induced Gastric Mucosal Lesions. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2960.	1.8	20
29	Role of <i>Helicobacter pylori</i> infection in cancer-associated fibroblast-induced epithelial-mesenchymal transition in vitro. <i>Helicobacter</i> , 2018, 23, e12538.	1.6	37
30	Reduced NGF in Gastric Endothelial Cells Is One of the Main Causes of Impaired Angiogenesis in Aging Gastric Mucosa. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 6, 199-213.	2.3	16
31	Melatonin in Prevention of the Sequence from Reflux Esophagitis to Barrett's Esophagus and Esophageal Adenocarcinoma: Experimental and Clinical Perspectives. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2033.	1.8	18
32	Mechanisms of curcumin-induced gastroprotection against ethanol-induced gastric mucosal lesions. <i>Journal of Gastroenterology</i> , 2018, 53, 618-630.	2.3	32
33	Inhibitory effect of selenomethionine on carcinogenesis in the model of human colorectal cancer in vitro and its link to the Wnt/ β^2 -catenin pathway.. <i>Acta Biochimica Polonica</i> , 2018, 65, 359-366.	0.3	10
34	Nitroimidazole derivatives of polypyridyl ruthenium complexes: Towards understanding their anticancer activity and mode of action. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 101, 43-55.	1.9	7
35	Nesfatin-1: The Novel Appetite Peptide with Therapeutic Efficacy to Prevent Acute Hemorrhagic Gastric Lesions and Accelerate Gastric Ulcer Healing. , 2017, , 33-56.		0
36	Carbon monoxide released from its pharmacological donor, tricarbonyldichlororuthenium (II) dimer, accelerates the healing of pre-existing gastric ulcers. <i>British Journal of Pharmacology</i> , 2017, 174, 3654-3668.	2.7	41

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37	Exogenous and Endogenous Hydrogen Sulfide Protects Gastric Mucosa against the Formation and Time-Dependent Development of Ischemia/Reperfusion-Induced Acute Lesions Progressing into Deeper Ulcerations. <i>Molecules</i> , 2017, 22, 295.	1.7	28
38	Hydrogen Sulphide Production in Healthy and Ulcerated Gastric Mucosa of Rats. <i>Molecules</i> , 2017, 22, 530.	1.7	13
39	Beneficial Effect of Voluntary Exercise on Experimental Colitis in Mice Fed a High-Fat Diet: The Role of Irisin, Adiponectin and Proinflammatory Biomarkers. <i>Nutrients</i> , 2017, 9, 410.	1.7	38
40	The Role of Intestinal Alkaline Phosphatase in Inflammatory Disorders of Gastrointestinal Tract. <i>Mediators of Inflammation</i> , 2017, 2017, 1-9.	1.4	116
41	Recent Advances in the Gastric Mucosal Protection Against Stress-induced Gastric Lesions. Importance of Renin-angiotensin Vasoactive Metabolites, Gaseous Mediators and Appetite Peptides. <i>Current Pharmaceutical Design</i> , 2017, 23, 3910-3922.	0.9	13
42	Intestinal parameters of oxidative imbalance in celiac adults with extraintestinal manifestations. <i>World Journal of Gastroenterology</i> , 2017, 23, 7849-7862.	1.4	9
43	The Protective Role of Carbon Monoxide (CO) Produced by Heme Oxygenases and Derived from the CO-Releasing Molecule CORM-2 in the Pathogenesis of Stress-Induced Gastric Lesions: Evidence for Non-Involvement of Nitric Oxide (NO). <i>International Journal of Molecular Sciences</i> , 2016, 17, 442.	1.8	34
44	Nerve growth factor is critical requirement for in vitro angiogenesis in gastric endothelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G981-G987.	1.6	13
45	Hydrogen Sulfide and Carbon Monoxide Protect Gastric Mucosa Compromised by Mild Stress Against Alendronate Injury. <i>Digestive Diseases and Sciences</i> , 2016, 61, 3176-3189.	1.1	33
46	Interaction between endogenous carbon monoxide and hydrogen sulfide in the mechanism of gastroprotection against acute aspirin-induced gastric damage. <i>Pharmacological Research</i> , 2016, 114, 235-250.	3.1	48
47	Can exercise affect the course of inflammatory bowel disease? Experimental and clinical evidence. <i>Pharmacological Reports</i> , 2016, 68, 827-836.	1.5	70
48	Mechanisms by which Stress Affects the Experimental and Clinical Inflammatory Bowel Disease (IBD): Role of Brain-Gut Axis. <i>Current Neuropharmacology</i> , 2016, 14, 892-900.	1.4	132
49	Neutrophil-related and serum biomarkers in granulomatosis with polyangiitis support extracellular traps mechanism of the disease. <i>Clinical and Experimental Rheumatology</i> , 2016, 34, S98-104.	0.4	13
50	Gaseous Mediators Nitric Oxide and Hydrogen Sulfide in the Mechanism of Gastrointestinal Integrity, Protection and Ulcer Healing. <i>Molecules</i> , 2015, 20, 9099-9123.	1.7	89
51	Carbon Monoxide (CO) Released from Tricarbonyldichlororuthenium (II) Dimer (CORM-2) in Gastroprotection against Experimental Ethanol-Induced Gastric Damage. <i>PLoS ONE</i> , 2015, 10, e0140493.	1.1	45
52	Moderate Exercise Training Attenuates the Severity of Experimental Rodent Colitis: The Importance of Crosstalk between Adipose Tissue and Skeletal Muscles. <i>Mediators of Inflammation</i> , 2015, 2015, 1-12.	1.4	40
53	Endogenous Prostaglandins and Afferent Sensory Nerves in Gastroprotective Effect of Hydrogen Sulfide against Stress-Induced Gastric Lesions. <i>PLoS ONE</i> , 2015, 10, e0118972.	1.1	45
54	Editorial (Thematic Issues: Basic and Clinical Aspects of Melatonin in the Gastrointestinal Tract. New) <i>Tj ETQq0 0 0 ggBT /Overlock 10 Tt</i>	0.9	13

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55	Exogenous Asymmetric Dimethylarginine (ADMA) in Pathogenesis of Ischemia-Reperfusion-Induced Gastric Lesions: Interaction with Protective Nitric Oxide (NO) and Calcitonin Gene-Related Peptide (CGRP). <i>International Journal of Molecular Sciences</i> , 2014, 15, 4946-4964.	1.8	20
56	The Role of Physical Exercise in Inflammatory Bowel Disease. <i>BioMed Research International</i> , 2014, 2014, 1-14.	0.9	65
57	Role of renin-angiotensin system and metabolites of angiotensin in the mechanism of gastric mucosal protection. <i>Current Opinion in Pharmacology</i> , 2014, 19, 90-98.	1.7	10
58	Probiotics in the Mechanism of Protection Against Gut Inflammation and Therapy of Gastrointestinal Disorders. <i>Current Pharmaceutical Design</i> , 2014, 20, 1149-1155.	0.9	56
59	Mechanisms of Esophageal Protection, Gastroprotection and Ulcer Healing by Melatonin. Implications for the Therapeutic use of Melatonin in Gastroesophageal Reflux Disease (GERD) and Peptic Ulcer Disease. <i>Current Pharmaceutical Design</i> , 2014, 20, 4807-4815.	0.9	36
60	New satiety hormone nesfatin-1 protects gastric mucosa against stress-induced injury: Mechanistic roles of prostaglandins, nitric oxide, sensory nerves and vanilloid receptors. <i>Peptides</i> , 2013, 49, 9-20.	1.2	23
61	Esophagoprotection mediated by exogenous and endogenous melatonin in an experimental model of reflux esophagitis. <i>Journal of Pineal Research</i> , 2013, 55, 46-57.	3.4	15
62	Effects of exercise of different intensity on gut peptides, energy intake and appetite in young males. <i>Annals of Agricultural and Environmental Medicine</i> , 2013, 20, 787-93.	0.5	14
63	Editorial [Hot Topic: Novel Physiological and Pharmacological Avenues in the Mechanism of Gastrointestinal Integrity, Protection and Ulcer Healing (Guest Editors: Thomas Brzozowski)]. <i>Current Medicinal Chemistry</i> , 2012, 19, 2-3.	1.2	3
64	<i>Helicobacter pylori</i> promotes apoptosis, activates cyclooxygenase (COX)-2 and inhibits heat shock protein HSP70 in gastric cancer epithelial cells. <i>Inflammation Research</i> , 2012, 61, 955-966.	1.6	42
65	The Impact of Asymmetric Dimethylarginine (ADAMA), the Endogenous Nitric Oxide (NO) Synthase Inhibitor, to the Pathogenesis of Gastric Mucosal Damage. <i>Current Pharmaceutical Design</i> , 2012, 19, 90-97.	0.9	20
66	Gastroprotective Activity of Grapefruit (<i>Citrus paradisi</i>) Seed Extract Against Acute Gastric Lesions. , 2011, , 553-560.		3
67	Nitric oxide-releasing aspirin but not conventional aspirin improves healing of experimental colitis. <i>World Journal of Gastroenterology</i> , 2011, 17, 4076.	1.4	20
68	Nonsteroidal anti-inflammatory drug-induced experimental gastropathy: Is gastric acid the major trigger?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010, 37, 651-653.	0.9	3
69	Day/night differences in stress-induced gastric lesions in rats with an intact pineal gland or after pinealectomy. <i>Journal of Pineal Research</i> , 2008, 44, 408-415.	3.4	19
70	Dynamic physiological and molecular changes in gastric ulcer healing achieved by melatonin and its precursor L-tryptophan in rats. <i>Journal of Pineal Research</i> , 2008, 45, 180-190.	3.4	24
71	Gastroprotective action of orexin-A against stress-induced gastric damage is mediated by endogenous prostaglandins, sensory afferent neuropeptides and nitric oxide. <i>Regulatory Peptides</i> , 2008, 148, 6-20.	1.9	31
72	Therapeutic Potential of 1-Methylnicotinamide against Acute Gastric Lesions Induced by Stress: Role of Endogenous Prostacyclin and Sensory Nerves. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 326, 105-116.	1.3	60

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73	Effect of Probiotics and Triple Eradication Therapy on the Cyclooxygenase (COX)-2 Expression, Apoptosis, and Functional Gastric Mucosal Impairment in Helicobacter pylori-Infected Mongolian Gerbils. <i>Helicobacter</i> , 2006, 11, 10-20.	1.6	42
74	Ghrelin-induced gastroprotection against ischemiaâ€“reperfusion injury involves an activation of sensory afferent nerves and hyperemia mediated by nitric oxide. <i>European Journal of Pharmacology</i> , 2006, 536, 171-181.	1.7	73
75	Prostaglandin/Cyclooxygenase Pathway in Ghrelin-Induced Gastroprotection against Ischemia-Reperfusion Injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 477-487.	1.3	63

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91	Role of leptin in the stomach and the pancreas. <i>Journal of Physiology (Paris)</i> , 2001, 95, 345-354.	2.1	21
92	Expression of cyclooxygenase (COX)-1 and COX-2 in adaptive cytoprotection induced by mild stress. <i>Journal of Physiology (Paris)</i> , 2000, 94, 83-91.	2.1	48
93	Role of gastric acid secretion in progression of acute gastric erosions induced by ischemiaâ€“reperfusion into gastric ulcers. <i>European Journal of Pharmacology</i> , 2000, 398, 147-158.	1.7	77
94	Central Leptin and Cholecystokinin in Gastroprotection against Ethanol-Induced Damage. <i>Digestion</i> , 2000, 62, 126-142.	1.2	41
95	Water Extracts of <i>Helicobacter pylori</i> Delay Healing of Chronic Gastric Ulcers in Rats: Role of Cytokines and Gastrin-Somatostatin Link. <i>Digestion</i> , 1999, 60, 22-33.	1.2	46
96	Leptin in gastroprotection induced by cholecystokinin or by a meal. Role of vagal and sensory nerves and nitric oxide. <i>European Journal of Pharmacology</i> , 1999, 374, 263-276.	1.7	63
97	Role of prostaglandins generated by cyclooxygenase-1 and cyclooxygenase-2 in healing of ischemiaâ€“reperfusion-induced gastric lesions. <i>European Journal of Pharmacology</i> , 1999, 385, 47-61.	1.7	83
98	Acceleration of ulcer healing by cholecystokinin (CCK): role of CCK-A receptors, somatostatin, nitric oxide and sensory nerves. <i>Regulatory Peptides</i> , 1999, 82, 19-33.	1.9	35
99	Bacterial Lipopolysaccharide Protects Gastric Mucosa against Acute Injury in Rats by Activation of Genes for Cyclooxygenases and Endogenous Prostaglandins. <i>Digestion</i> , 1998, 59, 284-297.	1.2	31
100	Mouse model of gastric infection with cytotoxin-expressing strain of <i>Helicobacter pylori</i> in studying of pathogenesis of chronic gastric ulcer. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1998, 13, S178-S184.	1.4	0
101	Mouse model of gastric infection with cytotoxin-expressing strain of <i>Helicobacter pylori</i> in studying of pathogenesis of chronic gastric ulcer. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1998, 13, S178-S184.	1.4	1
102	Role of l-arginine, a substrate for nitric oxide-synthase, in gastroprotection and ulcer healing. <i>Journal of Gastroenterology</i> , 1997, 32, 442-452.	2.3	63
103	Role of Capsaicin-Sensitive Sensory Nerves in Gastroprotection against Acid-Independent and Acid-Dependent Ulcerogens. <i>Digestion</i> , 1996, 57, 424-432.	1.2	54
104	Epidermal growth factor and transforming growth factor- β : role in protection and healing of gastric mucosal lesions. <i>European Journal of Gastroenterology and Hepatology</i> , 1995, 7, 933-938.	0.8	77
105	Pathologic basis of gastric mucosal adaptation to topical injury. <i>Journal of Gastroenterology</i> , 1995, 30, 416-427.	2.3	9
106	Exogenous and endogenous cholecystokinin protects gastric mucosa against the damage caused by ethanol in rats. <i>European Journal of Pharmacology</i> , 1995, 273, 57-62.	1.7	28
107	Role of endogenous gastrin in gastroprotection. <i>European Journal of Pharmacology</i> , 1995, 278, 203-212.	1.7	43
108	Inhibition of nitric oxide synthase delays healing of chronic gastric ulcers. <i>European Journal of Pharmacology</i> , 1993, 239, 215-217.	1.7	158

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109	Role of epidermal growth factor, prostaglandin, and sulfhydryls in stress-induced gastric lesions. <i>Gastroenterology</i> , 1990, 99, 1607-1615.	0.6	125
110	Cytoprotective and Ulcer Healing Properties of Prostaglandin E ₂ , Colloidal Bismuth and Sucralfate in Rats. <i>Digestion</i> , 1987, 38, 103-113.	1.2	52
111	Gastric protection by meciadanol. <i>Digestive Diseases and Sciences</i> , 1986, 31, 847-852.	1.1	31
112	Role of locally generated prostaglandins in adaptive gastric cytoprotection. <i>Digestive Diseases and Sciences</i> , 1982, 27, 967-971.	1.1	147
113	Gastric cytoprotection by epidermal growth factor. <i>Gastroenterology</i> , 1981, 81, 438-443.	0.6	188
114	Role of prostaglandins in the formation of aspirin-induced gastric ulcers. <i>Gastroenterology</i> , 1981, 80, 4-9.	0.6	203