Joseph J Cullen

List of Publications by Year
in descending order

129	11,407	66234	28224
papers	citations	42 h-index	105 g-index

136	136	136	18807
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
2	Measurement of superoxide dismutase, catalase and glutathione peroxidase in cultured cells and tissue. Nature Protocols, 2010, 5, 51-66.	5.5	991
3	Intranasal Mupirocin to Prevent PostoperativeStaphylococcus aureusInfections. New England Journal of Medicine, 2002, 346, 1871-1877.	13.9	742
4	Ascorbic acid: Chemistry, biology and the treatment of cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2012, 1826, 443-457.	3.3	635
5	Surgical Management of MeckelÊ¼s Diverticulum An Epidemiologic, Population-Based Study. Annals of Surgery, 1994, 220, 564-569.	2.1	318
6	O 2 â‹…â˙' and H 2 O 2 -Mediated Disruption of Fe Metabolism Causes the Differential Susceptibility of NSCLC and GBM Cancer Cells to Pharmacological Ascorbate. Cancer Cell, 2017, 31, 487-500.e8.	7.7	316
7	Pancreatic anastomotic leak after pancreaticoduodenectomy: Incidence, significance, and management. American Journal of Surgery, 1994, 168, 295-298.	0.9	312
8	Mechanisms of Ascorbate-Induced Cytotoxicity in Pancreatic Cancer. Clinical Cancer Research, 2010, 16, 509-520.	3.2	272
9	Tumor cells have decreased ability to metabolize H2O2: Implications for pharmacological ascorbate in cancer therapy. Redox Biology, 2016, 10, 274-284.	3.9	231
10	The role of manganese superoxide dismutase in the growth of pancreatic adenocarcinoma. Cancer Research, 2003, 63, 1297-303.	0.4	155
11	Efficacy of beta-lapachone in pancreatic cancer treatment: Exploiting the novel, therapeutic target NQO1. Cancer Biology and Therapy, 2005, 4, 102-109.	1.5	153
12	Costs Associated With Surgical Site Infections in Veterans Affairs Hospitals. JAMA Surgery, 2014, 149, 575.	2.2	147
13	A Decade of Change in Obesity Surgery. Obesity Surgery, 1997, 7, 189-197.	1.1	138
14	2-Deoxy-d-glucose causes cytotoxicity, oxidative stress, and radiosensitization in pancreatic cancer. Free Radical Biology and Medicine, 2008, 44, 322-331.	1.3	134
15	A Prospective Study of Outcomes, Healthcare Resource Utilization, and Costs Associated With Postoperative Nosocomial Infections. Infection Control and Hospital Epidemiology, 2006, 27, 1291-1298.	1.0	115
16	Pathophysiology of Inflammatory Bowel Disease: An Overview. Surgical Clinics of North America, 2007, 87, 575-585.	0.5	111
17	Expression of Antioxidant Enzymes in Diseases of the Human Pancreas: Another Link Between Chronic Pancreatitis and Pancreatic Cancer. Pancreas, 2003, 26, 23-27.	0.5	106
18	Dicumarol inhibition of NADPH:quinone oxidoreductase induces growth inhibition of pancreatic cancer via a superoxide-mediated mechanism. Cancer Research, 2003, 63, 5513-20.	0.4	106

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19	Redox Regulation of Pancreatic Cancer Cell Growth: Role of Glutathione Peroxidase in the Suppression of the Malignant Phenotype. Human Gene Therapy, 2004, 15, 239-250.	1.4	103
20	Suppression of the malignant phenotype in human pancreatic cancer cells by the overexpression of manganese superoxide dismutase. Molecular Cancer Therapeutics, 2003, 2, 361-9.	1.9	101
21	Vertical Gastroplasty: Evolution of Vertical Banded Gastroplasty. World Journal of Surgery, 1998, 22, 919-924.	0.8	99
22	Pharmacological Ascorbate Radiosensitizes Pancreatic Cancer. Cancer Research, 2015, 75, 3314-3326.	0.4	89
23	Use of Palliative Care and Hospice Among Surgical and Medical Specialties in the Veterans Health Administration. JAMA Surgery, 2014, 149, 1169.	2.2	87
24	Gastrointestinal Transit during Endotoxemia: The Role of Nitric Oxide. Journal of Surgical Research, 1996, 60, 307-311.	0.8	84
25	Pharmacologic Ascorbate Reduces Radiation-Induced Normal Tissue Toxicity and Enhances Tumor Radiosensitization in Pancreatic Cancer. Cancer Research, 2018, 78, 6838-6851.	0.4	83
26	Targeting NAD(P)H:quinone oxidoreductase (NQO1) in pancreatic cancer. Molecular Carcinogenesis, 2005, 43, 215-224.	1.3	75
27	Manganoporphyrins Increase Ascorbate-Induced Cytotoxicity by Enhancing H2O2 Generation. Cancer Research, 2013, 73, 5232-5241.	0.4	68
28	Inhibition of Cell Growth by Overexpression of Manganese Superoxide Dismutase (MnSOD) in Human Pancreatic Carcinoma. Free Radical Research, 2004, 38, 1223-1233.	1.5	67
29	Metastatic Progression of Pancreatic Cancer: Changes in Antioxidant Enzymes and Cell Growth. Clinical and Experimental Metastasis, 2005, 22, 523-532.	1.7	66
30	Extracellular Redox State Regulates Features Associated with Prostate Cancer Cell Invasion. Cancer Research, 2008, 68, 5820-5826.	0.4	66
31	Preoperative Risk Factors for Nasal Carriage of Staphylococcus aureus. Infection Control and Hospital Epidemiology, 2004, 25, 481-484.	1.0	65
32	Treatment of Pancreatic Cancer Cells with Dicumarol Induces Cytotoxicity and Oxidative Stress. Clinical Cancer Research, 2004, 10, 4550-4558.	3.2	63
33	Suppression of the Malignant Phenotype in Pancreatic Cancer by Overexpression of Phospholipid Hydroperoxide Glutathione Peroxidase. Human Gene Therapy, 2006, 17, 105-116.	1.4	63
34	Mitochondrial Production of Reactive Oxygen Species Mediate Dicumarol-induced Cytotoxicity in Cancer Cells. Journal of Biological Chemistry, 2006, 281, 37416-37426.	1.6	61
35	Effect of Endotoxin on Canine Gastrointestinal Motility and Transit. Journal of Surgical Research, 1995, 58, 90-95.	0.8	59
36	Role of labile iron in the toxicity of pharmacological ascorbate. Free Radical Biology and Medicine, 2015, 84, 289-295.	1.3	57

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37	Modulation of Reactive Oxygen Species in Pancreatic Cancer. Clinical Cancer Research, 2007, 13, 7441-7450.	3.2	56
38	First-in-Human Phase I Clinical Trial of Pharmacologic Ascorbate Combined with Radiation and Temozolomide for Newly Diagnosed Glioblastoma. Clinical Cancer Research, 2019, 25, 6590-6597.	3.2	52
39	Gastrointestinal peptide hormones during postoperative ileus. Digestive Diseases and Sciences, 1994, 39, 1179-1184.	1.1	45
40	Vertical Banded Gastroplasty in the Severely Obese under Age Twenty-One. Obesity Surgery, 1995, 5, 23-33.	1.1	44
41	Mitochondrial ROS and radiation induced transformation in mouse embryonic fibroblasts. Cancer Biology and Therapy, 2009, 8, 1962-1971.	1.5	43
42	Mitochondrial DNA Depletion Induces Radioresistance by Suppressing G₂Checkpoint Activation in Human Pancreatic Cancer Cells. Radiation Research, 2009, 171, 581-587.	0.7	43
43	Gastrointestinal myoelectric activity during endotoxemia. American Journal of Surgery, 1996, 171, 596-599.	0.9	42
44	Effects of endotoxin on regulation of intestinal smooth muscle nitric oxide synthase and intestinal transit. Surgery, 1999, 125, 339-344.	1.0	42
45	Gastric Motor Physiology and Pathophysiology. Surgical Clinics of North America, 1993, 73, 1145-1160.	0.5	41
46	Treatment of Pancreatic Cancer with Pharmacological Ascorbate. Current Pharmaceutical Biotechnology, 2015, 16, 759-770.	0.9	41
47	Pathophysiology of adynamic ileus. Digestive Diseases and Sciences, 1997, 42, 731-737.	1.1	40
48	Regulation of pancreatic cancer growth by superoxide. Molecular Carcinogenesis, 2013, 52, 555-567.	1.3	40
49	Treatment of acute postoperative ileus with octreotide. American Journal of Surgery, 1993, 165, 113-120.	0.9	39
50	Pharmacological Ascorbate as a Means of Sensitizing Cancer Cells to Radio-Chemotherapy While Protecting Normal Tissue. Seminars in Radiation Oncology, 2019, 29, 25-32.	1.0	39
51	Pharmacological ascorbate and ionizing radiation (IR) increase labile iron in pancreatic cancer. Redox Biology, 2014, 2, 22-27.	3.9	38
52	Designing a Safer Process to Prevent Retained Surgical Sponges: A Healthcare Failure Mode and Effect Analysis. AORN Journal, 2011, 94, 132-141.	0.2	35
53	Impact of Vertical Banded Gastroplasty on Respiratory Insufficiency of Severe Obesity. Obesity Surgery, 1996, 6, 454-458.	1.1	33
54	Comparison of response evaluation criteria in solid tumors with volumetric measurements for estimation of tumor burden in pancreatic adenocarcinoma and hepatocellular carcinoma. American Journal of Surgery, 2012, 204, 580-585.	0.9	33

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55	Extracellular superoxide dismutase suppresses hypoxia-inducible factor-1Î± in pancreatic cancer. Free Radical Biology and Medicine, 2014, 69, 357-366.	1.3	33
56	Bundling, product choice, and efficiency: Should cable television networks be offered Ã la carte?. Information Economics and Policy, 2007, 19, 379-404.	1.7	32
57	Epidural analgesia shortens postoperative ileus after heal pouch-anal canal anastomosis. American Journal of Surgery, 1995, 169, 79-83.	0.9	31
58	Effect of Endotoxin on Opossum Gallbladder Motility: A Model of Acalculous Cholecystitis. Annals of Surgery, 2000, 232, 202-207.	2.1	31
59	Costs of Postoperative Sepsis. Archives of Surgery, 2011, 146, 944.	2.3	31
60	Manganoporphyrins and ascorbate enhance gemcitabine cytotoxicity in pancreatic cancer. Free Radical Biology and Medicine, 2015, 83, 227-237.	1.3	31
61	The Effect of Endotoxin on Canine Jejunal Motility and Transit. Journal of Surgical Research, 1997, 67, 54-57.	0.8	30
62	Augmentation of intracellular iron using iron sucrose enhances the toxicity of pharmacological ascorbate in colon cancer cells. Redox Biology, 2018, 14, 82-87.	3.9	30
63	Hospital Costs Associated with Smoking in Veterans Undergoing General Surgery. Journal of the American College of Surgeons, 2012, 214, 901-908e1.	0.2	29
64	CAPTOPRIL DECREASES STRESS ULCERATION WITHOUT AFFECTING GASTRIC PERFUSION DURING CANINE HEMORRHAGIC SHOCK. Journal of Trauma, 1994, 37, 43-49.	2.3	28
65	Ascorbate induces autophagy in pancreatic cancer. Autophagy, 2010, 6, 421-422.	4.3	28
66	Management of complications in vertical banded gastroplasty. Journal of Surgical Education, 2003, 60, 33-37.	0.7	26
67	Enhancing the Antitumor Activity of Adriamycin and Ionizing Radiation. Cancer Research, 2009, 69, 4294-4300.	0.4	26
68	The ARF Tumor Suppressor Inhibits Tumor Cell Colonization Independent of p53 in a Novel Mouse Model of Pancreatic Ductal Adenocarcinoma Metastasis. Molecular Cancer Research, 2011, 9, 867-877.	1.5	26
69	Dual Oxidase-Induced Sustained Generation of Hydrogen Peroxide Contributes to Pharmacologic Ascorbate-Induced Cytotoxicity. Cancer Research, 2020, 80, 1401-1413.	0.4	26
70	Effect of endotoxin on canine colonic motility and transit,. Journal of Gastrointestinal Surgery, 1998, 2, 391-398.	0.9	25
71	Influence of obesity on complications and costs after intestinal surgery. American Journal of Surgery, 2012, 204, 434-440.	0.9	25
72	Pharmacologic ascorbate (P-AscHâ¯) suppresses hypoxia-inducible Factor-1Î± (HIF-1Î±) in pancreatic adenocarcinoma. Clinical and Experimental Metastasis, 2018, 35, 37-51.	1.7	25

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73	Effects of recombinant human hemoglobin on opossum sphincter of Oddi motor functionin Vivo andin Vitro. Digestive Diseases and Sciences, 1996, 41, 289-294.	1.1	24
74	Pharmacological Ascorbate as an Adjuvant for Enhancing Radiation-Chemotherapy Responses in Gastric Adenocarcinoma. Radiation Research, 2018, 189, 456.	0.7	24
75	Mechanisms of Impaired Gallbladder Contractile Response in Chronic Acalculous Cholecystitis,. Journal of Gastrointestinal Surgery, 2002, 6, 432-437.	0.9	23
76	The business case for the reduction of surgical complications in VA hospitals. Surgery, 2011, 149, 474-483.	1.0	23
77	The Effect of Follow-up on Reporting Success for Obesity Surgery. Obesity Surgery, 1995, 5, 285-292.	1.1	22
78	The Management of Extrahepatic Portal Vein Aneurysms: Observe or Treat?. HPB Surgery, 1996, 10, 113-116.	2.2	21
79	Changes in Intestinal Transit and Absorption during Endotoxemia Are Dose Dependent. Journal of Surgical Research, 1999, 81, 81-86.	0.8	21
80	Pharmacologic Ascorbate Primes Pancreatic Cancer Cells for Death by Rewiring Cellular Energetics and Inducing DNA Damage. Molecular Cancer Research, 2019, 17, 2102-2114.	1.5	21
81	Direct spectrophotometric measurement of supra-physiological levels of ascorbate in plasma. Redox Biology, 2016, 8, 298-304.	3.9	20
82	Standard Roux-en-Y gastrojejunostomy vs. â€œuncutâ€•Roux-en-Y gastrojejunostomy: a matched cohort study. Journal of Gastrointestinal Surgery, 2000, 4, 298-303.	0.9	18
83	Endotoxin Temporarily Impairs Canine Colonic Absorption of Water and Sodium. Journal of Surgical Research, 1998, 74, 34-38.	0.8	17
84	Prospectively evaluating anal sphincter function after ileal pouch-anal canal anastomosis. American Journal of Surgery, 1994, 167, 558-561.	0.9	15
85	Indications and Results of Reversal of Vertical Banded Gastroplasty (VBG). Journal of Gastrointestinal Surgery, 2008, 12, 2032-2036.	0.9	14
86	Magnetic resonance imaging (MRI) of pharmacological ascorbate-induced iron redox state as a biomarker in subjects undergoing radio-chemotherapy. Redox Biology, 2021, 38, 101804.	3.9	14
87	Pay Status as a Predictor of Outcome in Surgical Treatment of Obesity. Obesity Surgery, 1996, 6, 224-232.	1.1	13
88	Superoxide Enhances the Antitumor Combination of AdMnSOD Plus BCNU in Breast Cancer. Cancers, 2010, 2, 68-87.	1.7	13
89	Enhanced Pharmacological Ascorbate Oxidation Radiosensitizes Pancreatic Cancer. Radiation Research, 2018, 191, 43.	0.7	13
90	Pharmacological ascorbate inhibits pancreatic cancer metastases via a peroxide-mediated mechanism. Scientific Reports, 2020, 10, 17649.	1.6	13

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91	The Role of Platelet-Activating Factor in Conscious, Normotensive Endotoxemia. Journal of Surgical Research, 1997, 68, 170-174.	0.8	12
92	Gastric emptying of liquids and postprandial pancreatobiliary secretion are temporarily impaired during endotoxemia. Digestive Diseases and Sciences, 1999, 44, 2172-2177.	1.1	12
93	Superoxide Dismutases in Pancreatic Cancer. Antioxidants, 2017, 6, 66.	2.2	12
94	The Effect of Peroxynitrite on Sphincter of Oddi Motility. Journal of Surgical Research, 1999, 81, 55-58.	0.8	11
95	Enhancing the Biopsychosocial Approach to Perioperative Care. Annals of Surgery, 2022, 275, e8-e14.	2.1	11
96	The Role of Antioxidant Enzymes in the Control of Opossum Gallbladder Motility. Journal of Surgical Research, 1999, 86, 155-161.	0.8	10
97	The Effect of Phosphodiesterase Inhibition on Gallbladder Motility in Vitro. Journal of Surgical Research, 2002, 105, 102-108.	0.8	10
98	State of the Science: Cancer Complementary and Alternative Medicine Therapeutics Researchâ€"NCI Strategic Workshop Highlights of Discussion Report. Journal of the National Cancer Institute Monographs, 2017, 2017, .	0.9	10
99	The cup is half full. American Journal of Surgery, 1999, 178, 406-410.	0.9	9
100	Fluorine-18-Labeled Thymidine Positron Emission Tomography (FLT-PET) as an Index of Cell Proliferation after Pharmacological Ascorbate-Based Therapy. Radiation Research, 2016, 185, 31-38.	0.7	9
101	Arachidonate 12-lipoxygenase and 12-hydroxyeicosatetraenoic acid contribute to stromal aging-induced progression of pancreatic cancer. Journal of Biological Chemistry, 2020, 295, 6946-6957.	1.6	9
102	Utilization of Pharmacological Ascorbate to Enhance Hydrogen Peroxide-Mediated Radiosensitivity in Cancer Therapy. International Journal of Molecular Sciences, 2021, 22, 10880.	1.8	9
103	Expression of inducible nitric oxide synthase in the lower esophageal sphincter of the endotoxemic opossum. Journal of Gastroenterology, 2002, 37, 1000-1004.	2.3	8
104	Intracerebroventricular calcitonin prevents stress-induced gastric dysfunction. Journal of Surgical Research, 2003, 110, 188-192.	0.8	8
105	Comment on â€œPharmacologic ascorbate synergizes with gemcitabine in preclinical models of pancreatic cancer,â€•i.e., all we are saying is, give C a chance. Free Radical Biology and Medicine, 2011, 50, 1726-1727.	1.3	8
106	Pharmacological ascorbate improves the response to platinum-based chemotherapy in advanced stage non-small cell lung cancer. Redox Biology, 2022, 53, 102318.	3.9	8
107	Functional characteristics of canine pylorus in health, with pyloroplasty, and after pyloric reconstruction. Digestive Diseases and Sciences, 1996, 41, 711-719.	1.1	7
108	Treating pancreatic cancer: more antioxidants more problems?. Expert Review of Gastroenterology and Hepatology, 2018, 12, 849-851.	1.4	6

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109	Characterization of the Off Response to Electrical Field Stimulation in Gallbladder Smooth Muscle. Journal of Surgical Research, 2000, 88, 8-12.	0.8	5
110	Impact of EcSOD Perturbations in Cancer Progression. Antioxidants, 2021, 10, 1219.	2.2	5
111	Lipopolysaccharide Temporarily Impairs Sphincter of Oddi Motility. Nitric Oxide - Biology and Chemistry, 2001, 5, 547-554.	1.2	4
112	The Role of Antioxidant Enzymes in the Growth of Pancreatic Carcinoma. Current Cancer Therapy Reviews, 2007, 3, 61-65.	0.2	4
113	Catalase Modulates the Radio-Sensitization of Pancreatic Cancer Cells by Pharmacological Ascorbate. Antioxidants, 2021, 10, 614.	2.2	4
114	Auranofin and Pharmacologic Ascorbate as Radiomodulators in the Treatment of Pancreatic Cancer. Antioxidants, 2022, 11, 971.	2.2	4
115	A model for the detection of pancreatic ductal adenocarcinoma circulating tumor cells. Journal of Biological Methods, 2018, 5, e97.	1.0	3
116	The Effect of Ethanol on Sphincter of Oddi Motilityin Vitro. Journal of Surgical Research, 1997, 67, 58-61.	0.8	2
117	VBG: Marlex vs Dacron Banding. Obesity Surgery, 1997, 7, 367-368.	1.1	2
118	Assessment of the Stability of Supraphysiological Ascorbate in Human Blood: Appropriate Handling of Samples from Clinical Trials for Measurements of Pharmacological Ascorbate. Radiation Research, 2019, 191, 491.	0.7	2
119	Effect of Hydroxyl Radical (OH‹sup›â€¢‹/sup›) on Sphincter of Oddi Motility. Digestion, 1997, 58, 452-457.	1.2	1
120	Percutaneous endoscopic gastrostomy. Operative Techniques in General Surgery, 2001, 3, 263-268.	0.0	1
121	Gastrointestinal Motility. , 2001, , 507-532.		1
122	The benefits of ascorbate to protect healthy cells in the prevention and treatment of oncological diseases. Journal of Applied Biomedicine, 2020, 18, 1-7.	0.6	1
123	The effects of high-nutrient urea on in vitro bullfrog fundic mucosa. Journal of Surgical Research, 1986, 41, 445-455.	0.8	0
124	Oxidative Stress and Pancreatic Cancer. , 2012, , 257-275.		0
125	Pharmacological ascorbate and use in pancreatic cancer. , 2021, , 515-521.		0
126	Epigenetic effects of pharmacologic ascorbate. Oncotarget, 2021, 12, 876-877.	0.8	0

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127	Small Bowel Diverticula. , 2013, , 691-700.		0
128	Extracellular Superoxide and the Growth of Pancreatic Carcinoma. Current Cancer Therapy Reviews, 2014, 9, 278-283.	0.2	0
129	The dual effect of pharmacological ascorbate on radiation: The best of both worlds. Oncotarget, 2018, 9, 36648-36649.	0.8	0