Ju-Tae Sohn

List of Publications by Citations

91 papers	667 citations	16 h-index	22 g-index
102 ext. papers	773 ext. citations	3.1 avg, IF	3.94 L-index

#	Paper	IF	Citations
91	Lipid Emulsion for Treating Local Anesthetic Systemic Toxicity. *International Journal of Medical Sciences*, **2018**, 15, 713-722	3.7	53
90	Lipid emulsion reverses Levobupivacaine-induced responses in isolated rat aortic vessels. *Anesthesiology*, **2011**, 114, 293-301	4.3	44
89	Levobupivacaine-induced contraction of isolated rat aorta is calcium dependent. *Canadian Journal of Physiology and Pharmacology*, **2011**, 89, 467-76	2.4	26
88	Vasoconstriction potency induced by aminoamide local anesthetics correlates with lipid solubility. *Journal of Biomedicine and Biotechnology*, **2012**, 2012, 170958		25
87	Prediction and Prevention of Acute Kidney Injury after Cardiac Surgery. *BioMed Research International*, **2016**, 2016, 2985148	3	25
86	The direct effect of levobupivacaine in isolated rat aorta involves lipoxygenase pathway activation and endothelial nitric oxide release. *Anesthesia and Analgesia*, **2010**, 110, 341-9	3.9	24
85	Systemic blockage of nitric oxide synthase by L-NAME increases left ventricular systolic pressure, which is not augmented further by Intralipid® . *International Journal of Biological Sciences*, **2014**, 10, 367-76	11.2	23
84	Lipid emulsion-mediated reversal of toxic-dose aminoamide local anesthetic-induced vasodilation in isolated rat aorta. *Korean Journal of Anesthesiology*, **2013**, 64, 353-9	3.8	23
83	Myocardial protective effect by ulinastatin via an anti-inflammatory response after regional ischemia/reperfusion injury in an in vivo rat heart model. *Korean Journal of Anesthesiology*, **2011**, 61, 499-505	3.8	23
82	Mepivacaine-induced contraction is attenuated by endothelial nitric oxide release in isolated rat aorta. *Canadian Journal of Physiology and Pharmacology*, **2012**, 90, 863-72	2.4	21
81	Direct effect of dexmedetomidine on rat isolated aorta involves endothelial nitric oxide synthesis and activation of the lipoxygenase pathway. *Clinical and Experimental Pharmacology and Physiology*, **2009**, 36, 406-12	3	21
80	Ethyl pyruvate has anti-inflammatory and delayed myocardial protective effects after regional ischemia/reperfusion injury. *Yonsei Medical Journal*, **2010**, 51, 838-44	3	18
79	Effect of etomidate on endothelium-dependent relaxation induced by acetylcholine in rat aorta. *Anaesthesia and Intensive Care*, **2004**, 32, 476-81	1.1	18
78	Protein kinases participate in the contraction in response to levobupivacaine in the rat aorta. *European Journal of Pharmacology*, **2012**, 677, 131-7	5.3	17
77	Effect of two lipid emulsions on reversing high-dose levobupivacaine-induced reduced vasoconstriction in the rat aortas. *Cardiovascular Toxicology*, **2013**, 13, 370-80	3.4	17
76	Ropivacaine-induced contraction is attenuated by both endothelial nitric oxide and voltage-dependent potassium channels in isolated rat aortae. *BioMed Research International*, **2013**, 2013, 565271	3	16
75	Mepivacaine-induced contraction involves increased calcium sensitization mediated via Rho kinase and protein kinase C in endothelium-denuded rat aorta. *European Journal of Pharmacology*, **2014**, 723, 185-93	5.3	15

74	Fentanyl attenuates alpha1B-adrenoceptor-mediated pulmonary artery contraction. *Anesthesiology*, **2005**, 103, 327-34	4.3	15
73	c-Jun NH□terminal kinase contributes to dexmedetomidine-induced contraction in isolated rat aortic smooth muscle. *Yonsei Medical Journal*, **2011**, 52, 420-8	3	14
72	Calcium sensitization involved in dexmedetomidine-induced contraction of isolated rat aorta. *Canadian Journal of Physiology and Pharmacology*, **2011**, 89, 681-9	2.4	14
71	Nitric oxide-mediated inhibition of phenylephrine-induced contraction in response to hypothermia is partially modulated by endothelial Rho-kinase. *International Journal of Medical Sciences*, **2020**, 17, 21-32	3.7	13
70	Lipid Emulsion Attenuates Acetylcholine-Induced Relaxation in Isolated Rat Aorta. *BioMed Research International*, **2015**, 2015, 871545	3	13
69	Dexmedetomidine-induced contraction of isolated rat aorta is dependent on extracellular calcium concentration. *Korean Journal of Anesthesiology*, **2012**, 63, 253-9	3.8	13
68	Etomidate attenuates phenylephrine-induced contraction in isolated rat aorta. *Canadian Journal of Anaesthesia*, **2005**, 52, 927-34	3	12
67	Mepivacaine-induced contraction involves phosphorylation of extracellular signal-regulated kinase through activation of the lipoxygenase pathway in isolated rat aortic smooth muscle. *Canadian Journal of Physiology and Pharmacology*, **2013**, 91, 285-94	2.4	11
66	Lipid Emulsion Inhibits the Late Apoptosis/Cardiotoxicity Induced by Doxorubicin in Rat Cardiomyoblasts. *Cells*, **2018**, 7,	7.9	10
65	Lipid emulsion attenuates apoptosis induced by a toxic dose of bupivacaine in H9c2 rat cardiomyoblast cells. *Human and Experimental Toxicology*, **2016**, 35, 929-37	3.4	9
64	Dexmedetomidine-induced contraction involves phosphorylation of caldesmon by JNK in endothelium-denuded rat aortas. *International Journal of Biological Sciences*, **2014**, 10, 1108-15	11.2	9
63	Lipofundin□ MCT/LCT 20% increase left ventricular systolic pressure in an ex vivo rat heart model via increase of intracellular calcium level. *Korean Journal of Anesthesiology*, **2016**, 69, 57-62	3.8	9
62	Anesthetic management for percutaneous computed tomography-guided radiofrequency ablation of reninoma: a case report. *Korean Journal of Anesthesiology*, **2015**, 68, 78-82	3.8	7
61	Mepivacaine-induced intracellular calcium increase appears to be mediated primarily by calcium influx in rat aorta without endothelium. *Korean Journal of Anesthesiology*, **2014**, 67, 404-11	3.8	7
60	Lipid Emulsion Inhibits Apoptosis Induced by a Toxic Dose of Verapamil via the Delta-Opioid Receptor in H9c2 Rat Cardiomyoblasts. *Cardiovascular Toxicology*, **2017**, 17, 344-354	3.4	6
59	Dexmedetomidine Inhibits Phenylephrine-induced Contractions via Alpha-1 Adrenoceptor Blockade and Nitric Oxide Release in Isolated Rat Aortae. *International Journal of Medical Sciences*, **2017**, 14, 143-149	3.7	6
58	Lipid emulsion inhibits vasodilation induced by a toxic dose of bupivacaine by suppressing bupivacaine-induced PKC and CPI-17 dephosphorylation but has no effect on vasodilation induced by a toxic dose of mepivacaine. *Korean Journal of Pain*, **2016**, 29, 229-238	2.1	6
57	Bupivacaine-induced contraction is attenuated by endothelial nitric oxide release modulated by activation of both stimulatory and inhibitory phosphorylation (Ser1177 and Thr495) of endothelial nitric oxide synthase. *European Journal of Pharmacology*, **2019**, 853, 121-128	5.3	5

56	Linoleic Acid Attenuates the Toxic Dose of Bupivacaine-Mediated Reduction of Vasodilation Evoked by the Activation of Adenosine Triphosphate-Sensitive Potassium Channels. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	5
55	Lipid Emulsion Inhibits Vasodilation Induced by a Toxic Dose of Bupivacaine via Attenuated Dephosphorylation of Myosin Phosphatase Target Subunit 1 in Isolated Rat Aorta. *International Journal of Medical Sciences*, **2015**, 12, 958-67	3.7	5
54	Dexmedetomidine-Induced Contraction in the Isolated Endothelium-Denuded Rat Aorta Involves PKC-mediated JNK Phosphorylation. *International Journal of Medical Sciences*, **2015**, 12, 727-36	3.7	5
53	Dexmedetomidine-Induced Contraction Involves CPI-17 Phosphorylation in Isolated Rat Aortas. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	5
52	Involvement of TREK-1 Channel in Cell Viability of H9c2 Rat Cardiomyoblasts Affected by Bupivacaine and Lipid Emulsion. *Cells*, **2019**, 8,	7.9	4
51	Lipid emulsion alleviates the vasodilation and mean blood pressure decrease induced by a toxic dose of verapamil in isolated rat aortae and an in vivo rat model. *Human and Experimental Toxicology*, **2018**, 37, 636-646	3.4	4
50	The effect of sugammadex on the vascular tone of isolated rat aorta. *Korean Journal of Anesthesiology*, **2018**, 71, 242-243	3.8	4
49	Early Lipid Emulsion Treatment of Central Nervous System Symptoms Induced by Ropivacaine Toxicity: A Case Report. *American Journal of Therapeutics*, **2020**, 28, e736-e738	1	4
48	Effects of Acidification and Alkalinization on the Lipid Emulsion-Mediated Reversal of Toxic Dose Levobupivacaine-Induced Vasodilation in the Isolated Rat Aorta. *International Journal of Medical Sciences*, **2016**, 13, 68-76	3.7	4
47	Levobupivacaine-induced vasoconstriction involves caldesmon phosphorylation mediated by tyrosine kinase-induced ERK phosphorylation. *European Journal of Pharmacology*, **2019**, 842, 167-176	5.3	4
46	A Lipid Emulsion Reverses Toxic-Dose Bupivacaine-Induced Vasodilation during Tyrosine Phosphorylation-Evoked Contraction in Isolated Rat Aortae. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	3
45	Amlodipine toxicity and lipid emulsion. *Korean Journal of Anesthesiology*, **2018**, 71, 491-492	3.8	3
44	Linolenic Acid Attenuates the Vasodilation Induced by Acetylcholine in Isolated Rat Aortae. *Dose-Response*, **2019**, 17, 1559325819894148	2.3	3
43	Propofol and sedation in patients with coronavirus disease. *American Journal of Emergency Medicine*, **2021**, 42, 250	2.9	3
42	Lipid emulsion attenuates the vasodilation induced by a toxic dose of a calcium channel blocker through its partitioning into the lipid phase. *General Physiology and Biophysics*, **2019**, 38, 227-235	2.1	2
41	Delayed recovery from paralysis by succinylcholine in patient with preoperatively unrecognized and inherited pseudocholinesterase deficiency. *Korean Journal of Anesthesiology*, **2013**, 65, S19-20	3.8	2
40	Ginseng-Induced Changes to Blood Vessel Dilation and the Metabolome of Rats. *Nutrients*, **2020**, 12,	6.7	2
39	Mepivacaine attenuates vasodilation induced by ATP-sensitive potassium channels in rat aorta. *Canadian Journal of Physiology and Pharmacology*, **2016**, 94, 1211-1219	2.4	2

38	Lipid emulsion inhibits the vasodilation induced by a toxic dose of amlodipine in isolated rat aortae. *International Journal of Medical Sciences*, **2019**, 16, 1621-1630	3.7	2
37	Lipid emulsion attenuates extrinsic apoptosis induced by amlodipine toxicity in rat cardiomyoblasts. *Human and Experimental Toxicology*, **2021**, 40, 695-706	3.4	2
36	Lipid emulsion therapy for diphenhydramine toxicity. *Journal of the Formosan Medical Association*, **2017**, 116, 912-913	3.2	1
35	Lipofundin MCT/LCT Inhibits Levcromakalim-Induced Vasodilation by Inhibiting Endothelial Nitric Oxide Release. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	1
34	Lipid emulsion treatment of amlodipine toxicity. *Journal of Clinical Pharmacy and Therapeutics*, **2020**, 45, 397-398	2.2	1
33	Lipid emulsion treatment of systemic toxicity induced by local anesthetics or other drugs. *Journal of the Korean Medical Association*, **2014**, 57, 537	0.5	1
32	Lipid Emulsion Treatment for Trazodone Toxicity-Induced Coma. *Clinical Neuropharmacology*, **2020**, 43, 201	1.4	1
31	Lipid Emulsion Treatment of Nonlocal Anesthetic Drug Toxicity. *American Journal of Therapeutics*, **2020**, 28, e742-e746	1	1
30	Linolenic acid enhances contraction induced by phenylephrine in isolated rat aorta. *European Journal of Pharmacology*, **2021**, 890, 173662	5.3	1
29	Plasma clearance and lipaemic index of lipid emulsion used for lipid emulsion treatment. *Annals of Clinical Biochemistry*, **2021**, 58, 547-548	2.2	1
28	Letter to "Intralipid infusion at time of embryo transfer in women with history of recurrent implantation failure: A systematic review and meta-analysis". *Journal of Obstetrics and Gynaecology Research*, **2021**, 47, 3743	1.9	1
27	The proper concentrations of dextrose and lidocaine in regenerative injection therapy: study. *Korean Journal of Pain*, **2021**, 34, 19-26	2.1	1
26	Comment on "Efficacy of lipid emulsion therapy in treating cardiotoxicity from diphenhydramine ingestion: a review and analysis of case reports".. *Clinical Toxicology*, **2022**, 1	2.9	1
25	Lipid emulsions attenuate the inhibition of carnitine acylcarnitine translocase induced by toxic doses of local anesthetics in rat cardiomyoblasts.. *Human and Experimental Toxicology*, **2022**, 41, 9603271211065978	3.4	0
24	Bupivacaine-induced cardiotoxicity and lipid emulsion. *Human and Experimental Toxicology*, **2019**, 38, 494-495	3.4	0
23	Anesthetic management of patients with carnitine deficiency or a defect of the fatty acid β-oxidation pathway: A narrative review.. *Medicine (United States)*, **2022**, 101, e28853	1.8	0
22	The effect of brief pre-anesthetic exercise therapy of jaw and neck joints on mouth opening, neck extension, and intubation conditions during induction of general anesthesia: a randomized controlled trial. *BMC Anesthesiology*, **2020**, 20, 28	2.4	
21	Malathion toxicity and lipid emulsion. *Toxicology and Industrial Health*, **2018**, 34, 812	1.8	

20	Postoperative Acute Cerebral Infarction Occurring after General Anesthesia. *The Korean Journal of Critical Care Medicine*, **2013**, 28, 323	
19	Perioperative Management of a Patient with Hypokalemic Periodic Paralysis: A Case Report. *Journal of Acute Care Surgery*, **2020**, 10, 123-125	0.1
18	Lipid Emulsion-mediated Preservation of Acetylcholine-induced Vasodilation During Acute Hyperglycemia. *Journal of Neurosurgical Anesthesiology*, **2021**, 33, 281	3
17	Lipid emulsion treatment for ventricular tachycardia induced by the toxicity of multiple herbs. *Clinical and Experimental Emergency Medicine*, **2020**, 7, 139-140	1.7
16	Application of Dexmedetomidine in Cardiopulmonary Bypass Prefilling and Several Confounding Factors. *Dose-Response*, **2020**, 18, 1559325820959540	2.3
15	Lipid Emulsion Treatment of Cardiogenic Shock Induced by Toxic Dose of Bupropion. *Journal of Emergency Medicine*, **2020**, 59, e33	1.5
14	Treatment of Bupropion Toxicity with Lipid Emulsion. *Journal of Pediatric Intensive Care*, **2020**, 9, 151-152	1
13	Effect of methylene blue treatment on amlodipine toxicity-induced myocardial depression. *American Journal of Emergency Medicine*, **2021**, 52, 239-239	2.9
12	Lipid emulsion treatment as an antidote for chloroquine and hydroxychloroquine toxicity. *American Journal of Emergency Medicine*, **2021**, 42, 258-259	2.9
11	The Mechanisms Underlying Methylene Blue-Mediated Attenuation of Nitric Oxide-induced Vasodilatation. *Journal of Emergency Medicine*, **2021**, 60, 679	1.5
10	The Underlying Mechanism of Lipid Emulsion Treatment as a Nonspecific Antidote to Drug Toxicity. *Journal of Emergency Medicine*, **2021**, 60, e137-e138	1.5
9	Effect of lipid emulsion on acute clozapine poisoning-induced QT prolongation. *Human and Experimental Toxicology*, **2021**, 40, 2237-2239	3.4
8	Potential mechanisms underlying the effects of lipid emulsion against theophylline-induced toxicity. *American Journal of Emergency Medicine*, **2021**, 45, 629-630	2.9
7	Ultrasound-guided central venous catheterization via internal jugular vein in a patient with subcutaneous neck emphysema: A case report. *Clinical Case Reports (discontinued)*, **2021**, 9, e04452	0.7
6	Lipid emulsion treatment of hydroxychloroquine toxicity. *Modern Rheumatology*, **2021**, 31, 924-925	3.3
5	Reinforced conservative management of post-dural puncture headache in a patient with a rare case of tethered cord syndrome using an abdominal binder: A case report. *Clinical Case Reports (discontinued)*, **2021**, 9, 1215-1219	0.7
4	Comment: The Safety of Continuous Infusion Propofol in Mechanically Ventilated Adults With Coronavirus Disease 2019. *Annals of Pharmacotherapy*, **2021**, 10600280211043505	2.9
3	Treatment of flecainide intoxication with a lipid emulsion. *Netherlands Journal of Medicine*, **2019**, 77, 303	0.5

2	Lipid emulsion treatment of cardiotoxicity caused by calcium channel blocker and beta-blocker.. *American Journal of Emergency Medicine*, **2022**,	2.9
1	Lipid emulsion treatment of local anesthetic systemic toxicity in pediatric patients.. *American Journal of Emergency Medicine*, **2021**,	2.9