

Ju-Tae Sohn

List of Publications by Year in descending order

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102
papers

915
citations

471061

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552369

26
g-index

102
all docs

102
docs citations

102
times ranked

645
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid Emulsion for Treating Local Anesthetic Systemic Toxicity. International Journal of Medical Sciences, 2018, 15, 713-722.	1.1	89
2	Lipid Emulsion Reverses Levobupivacaine-induced Responses in Isolated Rat Aortic Vessels. Anesthesiology, 2011, 114, 293-301.	1.3	49
3	Prediction and Prevention of Acute Kidney Injury after Cardiac Surgery. BioMed Research International, 2016, 2016, 1-10.	0.9	36
4	Vasoconstriction Potency Induced by Aminoamide Local Anesthetics Correlates with Lipid Solubility. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-7.	3.0	34
5	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, 367-376.	2.6	33
6	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.	1.1	32
7	Levobupivacaine-induced contraction of isolated rat aorta is calcium dependent. Canadian Journal of Physiology and Pharmacology, 2011, 89, 467-476.	0.7	27
8	Lipid emulsion-mediated reversal of toxic-dose aminoamide local anesthetic-induced vasodilation in isolated rat aorta. Korean Journal of Anesthesiology, 2013, 64, 353.	0.9	26
9	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, 406-412.	0.9	25
10	The Direct Effect of Levobupivacaine in Isolated Rat Aorta Involves Lipoyxygenase Pathway Activation and Endothelial Nitric Oxide Release. Anesthesia and Analgesia, 2010, 110, 341-349.	1.1	25
11	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.	0.9	25
12	Mepivacaine-induced contraction is attenuated by endothelial nitric oxide release in isolated rat aorta. Canadian Journal of Physiology and Pharmacology, 2012, 90, 863-872.	0.7	22
13	Effect of Two Lipid Emulsions on Reversing High-Dose Levobupivacaine-Induced Reduced Vasoconstriction in the Rat Aortas. Cardiovascular Toxicology, 2013, 13, 370-380.	1.1	21
14	Effect of Etomidate on Endothelium-dependent Relaxation Induced by Acetylcholine in Rat Aorta. Anaesthesia and Intensive Care, 2004, 32, 476-481.	0.2	20
15	Ethyl Pyruvate Has Anti-Inflammatory and Delayed Myocardial Protective Effects after Regional Ischemia/Reperfusion Injury. Yonsei Medical Journal, 2010, 51, 838.	0.9	18
16	Protein kinases participate in the contraction in response to levobupivacaine in the rat aorta. European Journal of Pharmacology, 2012, 677, 131-137.	1.7	18
17	Fentanyl Attenuates α 1B-Adrenoceptor-Mediated Pulmonary Artery Contraction. Anesthesiology, 2005, 103, 327-334.	1.3	17
18	C-Jun ² -Terminal Kinase Contributes to Dexmedetomidine-Induced Contraction in Isolated Rat Aortic Smooth Muscle. Yonsei Medical Journal, 2011, 52, 420.	0.9	17

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19	Dexmedetomidine-induced contraction of isolated rat aorta is dependent on extracellular calcium concentration. <i>Korean Journal of Anesthesiology</i> , 2012, 63, 253.	0.9	17
20	Ropivacaine-Induced Contraction Is Attenuated by Both Endothelial Nitric Oxide and Voltage-Dependent Potassium Channels in Isolated Rat Aortae. <i>BioMed Research International</i> , 2013, 2013, 1-10.	0.9	17
21	Lipid Emulsion Attenuates Acetylcholine-Induced Relaxation in Isolated Rat Aorta. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	17
22	Lipid Emulsion Inhibits the Late Apoptosis/Cardiotoxicity Induced by Doxorubicin in Rat Cardiomyoblasts. <i>Cells</i> , 2018, 7, 144.	1.8	17
23	Calcium sensitization involved in dexmedetomidine-induced contraction of isolated rat aorta. <i>Canadian Journal of Physiology and Pharmacology</i> , 2011, 89, 681-689.	0.7	16
24	Mepivacaine-induced contraction involves increased calcium sensitization mediated via Rho kinase and protein kinase C in endothelium-denuded rat aorta. <i>European Journal of Pharmacology</i> , 2014, 723, 185-193.	1.7	16
25	Etomidate attenuates phenylephrine-induced contraction in isolated rat aorta. <i>Canadian Journal of Anaesthesia</i> , 2005, 52, 927-934.	0.7	14
26	Lipid emulsion attenuates apoptosis induced by a toxic dose of bupivacaine in H9c2 rat cardiomyoblast cells. <i>Human and Experimental Toxicology</i> , 2016, 35, 929-937.	1.1	13
27	Ginseng-Induced Changes to Blood Vessel Dilation and the Metabolome of Rats. <i>Nutrients</i> , 2020, 12, 2238.	1.7	12
28	Mepivacaine-induced contraction involves phosphorylation of extracellular signal-regulated kinase through activation of the lipoxygenase pathway in isolated rat aortic smooth muscle. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013, 91, 285-294.	0.7	11
29	Dexmedetomidine-induced Contraction Involves Phosphorylation of Caldesmon by JNK in Endothelium-denuded Rat Aortas. <i>International Journal of Biological Sciences</i> , 2014, 10, 1108-1115.	2.6	10
30	Anesthetic management for percutaneous computed tomography-guided radiofrequency ablation of reinoma: a case report. <i>Korean Journal of Anesthesiology</i> , 2015, 68, 78.	0.9	10
31	Lipid Emulsion Inhibits Apoptosis Induced by a Toxic Dose of Verapamil via the Delta-Opioid Receptor in H9c2 Rat Cardiomyoblasts. <i>Cardiovascular Toxicology</i> , 2017, 17, 344-354.	1.1	10
32	Lipofundin® MCT/LCT 20% increase left ventricular systolic pressure in an <i>ex vivo</i> rat heart model via increase of intracellular calcium level. <i>Korean Journal of Anesthesiology</i> , 2016, 69, 57.	0.9	10
33	Dexmedetomidine-Induced Contraction Involves CPI-17 Phosphorylation in Isolated Rat Aortas. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1663.	1.8	9
34	Involvement of TREK-1 Channel in Cell Viability of H9c2 Rat Cardiomyoblasts Affected by Bupivacaine and Lipid Emulsion. <i>Cells</i> , 2019, 8, 454.	1.8	9
35	Levobupivacaine-induced vasoconstriction involves caldesmon phosphorylation mediated by tyrosine kinase-induced ERK phosphorylation. <i>European Journal of Pharmacology</i> , 2019, 842, 167-176.	1.7	9
36	The proper concentrations of dextrose and lidocaine in regenerative injection therapy: <i>in vitro</i> study. <i>Korean Journal of Pain</i> , 2021, 34, 19-26.	0.8	9

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37	Lipid Emulsion Inhibits Vasodilation Induced by a Toxic Dose of Bupivacaine via Attenuated Dephosphorylation of Myosin Phosphatase Target Subunit 1 in Isolated Rat Aorta. <i>International Journal of Medical Sciences</i> , 2015, 12, 958-967.	1.1	8
38	Dexmedetomidine-Induced Contraction in the Isolated Endothelium-Denuded Rat Aorta Involves PKC- ζ -mediated JNK Phosphorylation. <i>International Journal of Medical Sciences</i> , 2015, 12, 727-736.	1.1	8
39	Dexmedetomidine Inhibits Phenylephrine-induced Contractions via Alpha-1 Adrenoceptor Blockade and Nitric Oxide Release in Isolated Rat Aortae. <i>International Journal of Medical Sciences</i> , 2017, 14, 143-149.	1.1	8
40	Early Lipid Emulsion Treatment of Central Nervous System Symptoms Induced by Ropivacaine Toxicity. <i>American Journal of Therapeutics</i> , 2020, Publish Ahead of Print, e736-e738.	0.5	8
41	Lipid Emulsion Treatment of Nonlocal Anesthetic Drug Toxicity. <i>American Journal of Therapeutics</i> , 2021, 28, e742-e746.	0.5	8
42	Mepivacaine-induced intracellular calcium increase appears to be mediated primarily by calcium influx in rat aorta without endothelium. <i>Korean Journal of Anesthesiology</i> , 2014, 67, 404.	0.9	7
43	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. <i>Korean Journal of Pain</i> , 2016, 29, 229-238.	0.8	7
44	Linoleic Acid Attenuates the Toxic Dose of Bupivacaine-Mediated Reduction of Vasodilation Evoked by the Activation of Adenosine Triphosphate-Sensitive Potassium Channels. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1876.	1.8	7
45	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. <i>European Journal of Pharmacology</i> , 2019, 853, 121-128.	1.7	7
46	Lipid emulsion attenuates extrinsic apoptosis induced by amlodipine toxicity in rat cardiomyoblasts. <i>Human and Experimental Toxicology</i> , 2021, 40, 695-706.	1.1	7
47	Effects of Acidification and Alkalinization on the Lipid Emulsion-Mediated Reversal of Toxic Dose Levobupivacaine-Induced Vasodilation in the Isolated Rat Aorta. <i>International Journal of Medical Sciences</i> , 2016, 13, 68-76.	1.1	5
48	Linolenic Acid Attenuates the Vasodilation Induced by Acetylcholine in Isolated Rat Aortae. <i>Dose-Response</i> , 2019, 17, 155932581989414.	0.7	5
49	Lipid emulsion inhibits the vasodilation induced by a toxic dose of amlodipine in isolated rat aortae. <i>International Journal of Medical Sciences</i> , 2019, 16, 1621-1630.	1.1	5
50	Lipofundin MCT/LCT Inhibits Levocromakalim-Induced Vasodilation by Inhibiting Endothelial Nitric Oxide Release. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1763.	1.8	5
51	Propofol and sedation in patients with coronavirus disease. <i>American Journal of Emergency Medicine</i> , 2021, 42, 250.	0.7	5
52	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. <i>Human and Experimental Toxicology</i> , 2018, 37, 636-646.	1.1	5
53	Lipid emulsions attenuate the inhibition of carnitine acylcarnitine translocase induced by toxic doses of local anesthetics in rat cardiomyoblasts. <i>Human and Experimental Toxicology</i> , 2022, 41, 096032712110659.	1.1	5
54	Anesthetic management of patients with carnitine deficiency or a defect of the fatty acid β -oxidation pathway. <i>Medicine (United States)</i> , 2022, 101, e28853.	0.4	5

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55	Linolenic acid enhances contraction induced by phenylephrine in isolated rat aorta. <i>European Journal of Pharmacology</i> , 2021, 890, 173662.	1.7	4
56	The effect of sugammadex on the vascular tone of isolated rat aorta. <i>Korean Journal of Anesthesiology</i> , 2018, 71, 242-243.	0.9	4
57	Mepivacaine attenuates vasodilation induced by ATP-sensitive potassium channels in rat aorta. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 1211-1219.	0.7	3
58	A Lipid Emulsion Reverses Toxic-Dose Bupivacaine-Induced Vasodilation during Tyrosine Phosphorylation-Evoked Contraction in Isolated Rat Aortae. <i>International Journal of Molecular Sciences</i> , 2017, 18, 394.	1.8	3
59	Bupivacaine-induced cardiotoxicity and lipid emulsion. <i>Human and Experimental Toxicology</i> , 2019, 38, 494-495.	1.1	3
60	Amlodipine toxicity and lipid emulsion. <i>Korean Journal of Anesthesiology</i> , 2018, 71, 491-492.	0.9	3
61	Lipid emulsion attenuates the vasodilation induced by a toxic dose of a calcium channel blocker through its partitioning into the lipid phase. <i>General Physiology and Biophysics</i> , 2019, 38, 227-235.	0.4	2
62	The Underlying Mechanism of Lipid Emulsion Treatment as a Nonspecific Antidote to Drug Toxicity. <i>Journal of Emergency Medicine</i> , 2021, 60, e137-e138.	0.3	2
63	Delayed recovery from paralysis by succinylcholine in patient with preoperatively unrecognized and inherited pseudocholinesterase deficiency. <i>Korean Journal of Anesthesiology</i> , 2013, 65, S19.	0.9	2
64	Lipid emulsion treatment of systemic toxicity induced by local anesthetics or other drugs. <i>Journal of the Korean Medical Association</i> , 2014, 57, 537.	0.1	1
65	Lipid emulsion therapy for diphenhydramine toxicity. <i>Journal of the Formosan Medical Association</i> , 2017, 116, 912-913.	0.8	1
66	Lipid emulsion treatment of amlodipine toxicity. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2020, 45, 397-398.	0.7	1
67	Plasma clearance and lipaemic index of lipid emulsion used for lipid emulsion treatment. <i>Annals of Clinical Biochemistry</i> , 2021, 58, 547-548.	0.8	1
68	Lipid Emulsion Enhances Vasoconstriction Induced by Dexmedetomidine in the Isolated Endothelium-Intact Aorta. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3309.	1.8	1
69	Effect of methylene blue treatment on amlodipine toxicity-induced myocardial depression. <i>American Journal of Emergency Medicine</i> , 2022, 52, 239-240.	0.7	1
70	Potential mechanisms underlying the effects of lipid emulsion against theophylline-induced toxicity. <i>American Journal of Emergency Medicine</i> , 2021, 45, 629-630.	0.7	1
71	Letter to “Intralipid infusion at time of embryo transfer in women with history of recurrent implantation failure: A systematic review and meta-analysis” <i>Journal of Obstetrics and Gynaecology Research</i> , 2021, 47, 3743-3743.	0.6	1
72	Lipid Emulsion Treatment for Trazodone Toxicity-Induced Coma. <i>Clinical Neuropharmacology</i> , 2020, 43, 201-201.	0.2	1

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73	Comment on "Efficacy of lipid emulsion therapy in treating cardiotoxicity from diphenhydramine ingestion: a review and analysis of case reports" Clinical Toxicology, 2022, , 1-1.	0.8	1
74	Lipid emulsion treatment of cardiotoxicity caused by calcium channel blocker and beta-blocker. American Journal of Emergency Medicine, 2022, 58, 331-332.	0.7	1
75	Lipid emulsion treatment of local anesthetic systemic toxicity in pediatric patients. American Journal of Emergency Medicine, 2022, 57, 195-196.	0.7	1
76	Dexmedetomidine-Induced Aortic Contraction Involves Transactivation of the Epidermal Growth Factor Receptor in Rats. International Journal of Molecular Sciences, 2022, 23, 4320.	1.8	1
77	Lipid emulsion attenuates propranolol-induced early apoptosis in rat cardiomyoblasts. Human and Experimental Toxicology, 2022, 41, 096032712211108.	1.1	1
78	Postoperative Acute Cerebral Infarction Occurring after General Anesthesia. The Korean Journal of Critical Care Medicine, 2013, 28, 323.	0.2	0
79	Malathion toxicity and lipid emulsion. Toxicology and Industrial Health, 2018, 34, 812-812.	0.6	0
80	Application of Dexmedetomidine in Cardiopulmonary Bypass Prefilling and Several Confounding Factors. Dose-Response, 2020, 18, 155932582095954.	0.7	0
81	Lipid Emulsion Treatment of Cardiogenic Shock Induced by Toxic Dose of Bupropion. Journal of Emergency Medicine, 2020, 59, e33.	0.3	0
82	Treatment of Bupropion Toxicity with Lipid Emulsion. Journal of Pediatric Intensive Care, 2020, 09, 151-152.	0.4	0
83	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.	0.7	0
84	Lipid emulsion treatment of hydroxychloroquine toxicity. Modern Rheumatology, 2021, 31, 924-925.	0.9	0
85	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.	0.2	0
86	Lipid emulsion treatment as an antidote for chloroquine and hydroxychloroquine toxicity. American Journal of Emergency Medicine, 2021, 42, 258-259.	0.7	0
87	Lipid Emulsion Treatment and Long Chain Fatty Acid Supply. American Journal of Therapeutics, 2021, Publish Ahead of Print, .	0.5	0
88	The Mechanisms Underlying Methylene Blue-Mediated Attenuation of Nitric Oxide-induced Vasodilatation. Journal of Emergency Medicine, 2021, 60, 679.	0.3	0
89	Toxic Dose of Vitamin D-Induced Hypercalcemia. American Journal of Therapeutics, 2021, Publish Ahead of Print, .	0.5	0
90	Effect of lipid emulsion on acute clozapine poisoning-induced QT prolongation. Human and Experimental Toxicology, 2021, 40, 096032712110255.	1.1	0

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91	Ultrasoundâ€­guided central venous catheterization via internal jugular vein in a patient with subcutaneous neck emphysema: A case report. <i>Clinical Case Reports (discontinued)</i> , 2021, 9, e04452.	0.2	0
92	Confounding Factors Associated With Propofol-Induced Acute Pancreatitis. <i>American Journal of Therapeutics</i> , 2021, Publish Ahead of Print, .	0.5	0
93	Comment: The Safety of Continuous Infusion Propofol in Mechanically Ventilated Adults With Coronavirus Disease 2019. <i>Annals of Pharmacotherapy</i> , 2021, , 106002802110435.	0.9	0
94	Dosage of Aminophylline Used for the Treatment of Neurotoxicity Caused by Methotrexate. <i>American Journal of Therapeutics</i> , 2021, Publish Ahead of Print, .	0.5	0
95	Drug Interaction Probability Assessment. <i>American Journal of Therapeutics</i> , 2021, Publish Ahead of Print, .	0.5	0
96	Malignant Hyperthermia and Cisatracurium During Severe SARS-CoV-2 Infection. <i>American Journal of Therapeutics</i> , 2021, Publish Ahead of Print, .	0.5	0
97	Haloperidol Toxicity and Lipid Emulsion Treatment. <i>American Journal of Therapeutics</i> , 2021, Publish Ahead of Print, .	0.5	0
98	Lipid Emulsion-mediated Preservation of Acetylcholine-induced Vasodilation During Acute Hyperglycemia. <i>Journal of Neurosurgical Anesthesiology</i> , 2019, Publish Ahead of Print, 281.	0.6	0
99	Lipid emulsion treatment for ventricular tachycardia induced by the toxicity of multiple herbs. <i>Clinical and Experimental Emergency Medicine</i> , 2020, 7, 139-140.	0.5	0
100	Perioperative Management of a Patient with Hypokalemic Periodic Paralysis: A Case Report. <i>Journal of Acute Care Surgery</i> , 2020, 10, 123-125.	0.1	0
101	Perioperative Management of a Patient with Hypokalemic Periodic Paralysis: A Case Report. <i>Journal of Acute Care Surgery</i> , 2020, 10, 117-119.	0.1	0
102	Treatment of flecainide intoxication with a lipid emulsion. <i>Netherlands Journal of Medicine</i> , 2019, 77, 303.	0.6	0