

Bon-Nyeo Koo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3922663/publications.pdf>

Version: 2024-02-01

100
papers

2,005
citations

257101

24
h-index

315357

38
g-index

103
all docs

103
docs citations

103
times ranked

2392
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficacy of intraoperative dexmedetomidine infusion on emergence agitation and quality of recovery after nasal surgery. <i>British Journal of Anaesthesia</i> , 2013, 111, 222-228.	1.5	127
2	The effect of pneumoperitoneum in the steep Trendelenburg position on cerebral oxygenation. <i>Acta Anaesthesiologica Scandinavica</i> , 2009, 53, 895-899.	0.7	97
3	The Effects of Perioperative Anesthesia and Analgesia on Immune Function in Patients Undergoing Breast Cancer Resection: A Prospective Randomized Study. <i>International Journal of Medical Sciences</i> , 2017, 14, 970-976.	1.1	74
4	A subset of cerebrovascular pericytes originates from mature macrophages in the very early phase of vascular development in CNS. <i>Scientific Reports</i> , 2017, 7, 3855.	1.6	73
5	Hepatic Resection by the Cavitron Ultrasonic Surgical Aspirator?? Increases the Incidence and Severity of Venous Air Embolism. <i>Anesthesia and Analgesia</i> , 2005, 101, 966-970.	1.1	70
6	Regulation of Microglia and Macrophage Polarization via Apoptosis Signal-Regulating Kinase 1 Silencing after Ischemic/Hypoxic Injury. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 261.	1.4	61
7	Comparison of three sedation regimens for drug-induced sleep endoscopy. <i>Sleep and Breathing</i> , 2015, 19, 711-717.	0.9	54
8	Differential effects of lidocaine and remifentanyl on response to the tracheal tube during emergence from general anaesthesia. <i>British Journal of Anaesthesia</i> , 2011, 106, 410-415.	1.5	52
9	Analgesic efficacy of caudal dexamethasone combined with ropivacaine in children undergoing orchiopexy. <i>British Journal of Anaesthesia</i> , 2014, 112, 885-891.	1.5	52
10	Determination of the optimal angle for needle insertion during caudal block in children using ultrasound imaging. <i>Anaesthesia</i> , 2006, 61, 946-949.	1.8	51
11	Low-Dose Dexmedetomidine Reduces Emergence Agitation after Desflurane Anaesthesia in Children Undergoing Strabismus Surgery. <i>Yonsei Medical Journal</i> , 2014, 55, 508.	0.9	47
12	Comparison of intrathecal fentanyl and sufentanil in low-dose dilute bupivacaine spinal anaesthesia for transurethral prostatectomy. <i>British Journal of Anaesthesia</i> , 2009, 103, 750-754.	1.5	46
13	Isoflurane preconditioning inhibits the effects of tissue-type plasminogen activator on brain endothelial cell in an <i>in vitro</i> model of ischemic stroke. <i>International Journal of Medical Sciences</i> , 2017, 14, 425-433.	1.1	43
14	Effect of Propofol Post-treatment on Bloodâ€“Brain Barrier Integrity and Cerebral Edema After Transient Cerebral Ischemia in Rats. <i>Neurochemical Research</i> , 2013, 38, 2276-2286.	1.6	39
15	Effect of isoflurane post-treatment on tPA-exaggerated brain injury in a rat ischemic stroke model. <i>Korean Journal of Anesthesiology</i> , 2015, 68, 281.	0.9	36
16	Repeated Neonatal Propofol Administration Induces Sex-Dependent Long-Term Impairments on Spatial and Recognition Memory in Rats. <i>Biomolecules and Therapeutics</i> , 2015, 23, 251-260.	1.1	35
17	Erythropoietin Attenuates Postoperative Cognitive Dysfunction by Shifting Macrophage Activation toward the M2 Phenotype. <i>Frontiers in Pharmacology</i> , 2017, 8, 839.	1.6	35
18	Anandamide Inhibition of 5-HT _{3A} Receptors Varies with Receptor Density and Desensitization. <i>Molecular Pharmacology</i> , 2008, 73, 314-322.	1.0	34

#	ARTICLE	IF	CITATIONS
19	The effects of single-dose dexamethasone on inflammatory response and pain after uterine artery embolisation for symptomatic fibroids or adenomyosis: a randomised controlled study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2016, 123, 580-587.	1.1	33
20	Scopolamine promotes neuroinflammation and delirium-like neuropsychiatric disorder in mice. <i>Scientific Reports</i> , 2021, 11, 8376.	1.6	31
21	Cell Type-Specific Mechanisms in the Pathogenesis of Ischemic Stroke: The Role of Apoptosis Signal-Regulating Kinase 1. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	1.9	30
22	Cell-penetrating interactomic inhibition of nuclear factor-kappa B in a mouse model of postoperative cognitive dysfunction. <i>Scientific Reports</i> , 2017, 7, 13482.	1.6	27
23	Effects of Postoperative Pain Management on Immune Function After Laparoscopic Resection of Colorectal Cancer. <i>Medicine (United States)</i> , 2016, 95, e3602.	0.4	26
24	Ultrasonography reveals a high prevalence of lower spinal dysraphism in children with urogenital anomalies. <i>Acta Anaesthesiologica Scandinavica</i> , 2012, 56, 624-628.	0.7	25
25	Ultrasonographic optic nerve sheath diameter for predicting elevated intracranial pressure during laparoscopic surgery: a systematic review and meta-analysis. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018, 32, 175-182.	1.3	25
26	The effect of epidural sufentanil in ropivacaine on urinary retention in patients undergoing gastrectomy. <i>British Journal of Anaesthesia</i> , 2006, 97, 414-418.	1.5	24
27	The effect of flexion on the level of termination of the dural sac in paediatric patients. <i>Anaesthesia</i> , 2009, 64, 1072-1076.	1.8	24
28	Spread of ropivacaine by a weight-based formula in a pediatric caudal block: a fluoroscopic examination. <i>Acta Anaesthesiologica Scandinavica</i> , 2010, 54, 562-565.	0.7	24
29	Intranuclear interactomic inhibition of NF- κ B suppresses LPS-induced severe sepsis. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 711-717.	1.0	24
30	The Neuroprotective Effect of Agmatine After Focal Cerebral Ischemia in Diabetic Rats. <i>Journal of Neurosurgical Anesthesiology</i> , 2012, 24, 39-50.	0.6	23
31	Blockade of Apoptosis Signal-Regulating Kinase 1 Attenuates Matrix Metalloproteinase 9 Activity in Brain Endothelial Cells and the Subsequent Apoptosis in Neurons after Ischemic Injury. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 213.	1.8	23
32	Apoptosis Signal-regulating Kinase 1 Silencing on Astroglial Inflammasomes in an Experimental Model of Ischemic Stroke. <i>Neuroscience</i> , 2018, 390, 218-230.	1.1	23
33	Neutralized rocuronium (pH 7.4) before administration prevents injection pain in awake patients: a randomized prospective trial. <i>Journal of Clinical Anesthesia</i> , 2007, 19, 418-423.	0.7	22
34	Psychotropic and nonpsychotropic cannabis derivatives inhibit human 5-HT _{3A} receptors through a receptor desensitization-dependent mechanism. <i>Neuroscience</i> , 2011, 184, 28-37.	1.1	22
35	Ramosetron for the prevention of postoperative nausea and vomiting (PONV): a meta-analysis. <i>Korean Journal of Anesthesiology</i> , 2011, 61, 405.	0.9	21
36	Preoperative Greater Occipital Nerve Block in Total Thyroidectomy Patients Can Reduce Postoperative Occipital Headache and Posterior Neck Pain. <i>Thyroid</i> , 2006, 16, 599-603.	2.4	20

#	ARTICLE	IF	CITATIONS
37	Effect of goal-directed haemodynamic therapy in free flap reconstruction for head and neck cancer. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 903-914.	0.7	20
38	Comparison of Remifentanyl and Fentanyl for Postoperative Pain Control after Abdominal Hysterectomy. <i>Yonsei Medical Journal</i> , 2008, 49, 204.	0.9	19
39	The relative position of ilioinguinal and iliohypogastric nerves in different age groups of pediatric patients. <i>Acta Anaesthesiologica Scandinavica</i> , 2010, 54, 566-570.	0.7	19
40	Effect of caudal block using different volumes of local anaesthetic on optic nerve sheath diameter in children: a prospective, randomized trial. <i>British Journal of Anaesthesia</i> , 2017, 118, 781-787.	1.5	19
41	Korean clinical practice guideline for perioperative red blood cell transfusion from Korean Society of Anesthesiologists. <i>Korean Journal of Anesthesiology</i> , 2019, 72, 91-118.	0.9	19
42	Combined treatment of 3-hydroxyflavone and imatinib mesylate increases apoptotic cell death of imatinib mesylate-resistant leukemia cells. <i>Leukemia Research</i> , 2012, 36, 1157-1164.	0.4	18
43	Comparison of Emergence Time in Children Undergoing Minor Surgery According to Anesthetic: Desflurane and Sevoflurane. <i>Yonsei Medical Journal</i> , 2013, 54, 732.	0.9	18
44	The Anti-inflammatory Effects of Agmatine on Transient Focal Cerebral Ischemia in Diabetic Rats. <i>Journal of Neurosurgical Anesthesiology</i> , 2016, 28, 203-213.	0.6	18
45	Intranasal Administration of Interleukin-1 Receptor Antagonist in a Transient Focal Cerebral Ischemia Rat Model. <i>Biomolecules and Therapeutics</i> , 2017, 25, 149-157.	1.1	18
46	Effects of Tranexamic Acid Based on its Population Pharmacokinetics in Pediatric Patients Undergoing Distraction Osteogenesis for Craniosynostosis: Rotational Thromboelastometry (ROTEM TM) Analysis. <i>International Journal of Medical Sciences</i> , 2018, 15, 788-795.	1.1	17
47	Inflammasome and Cognitive Symptoms in Human Diseases: Biological Evidence from Experimental Research. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1103.	1.8	16
48	Orthopedic surgery-induced cognitive dysfunction is mediated by CX3CL1/R1 signaling. <i>Journal of Neuroinflammation</i> , 2021, 18, 93.	3.1	16
49	A pharmacodynamic analysis of factors affecting recovery from anesthesia with propofol-remifentanyl target controlled infusion. <i>Acta Pharmacologica Sinica</i> , 2012, 33, 1080-1084.	2.8	15
50	Agmatine promotes the migration of murine brain endothelial cells via multiple signaling pathways. <i>Life Sciences</i> , 2013, 92, 42-50.	2.0	15
51	Efficacy of Intrathecal Morphine Combined with Intravenous Analgesia versus Thoracic Epidural Analgesia after Gastrectomy. <i>Yonsei Medical Journal</i> , 2014, 55, 1106.	0.9	15
52	Efficacy of Intravenous Lidocaine During Endoscopic Submucosal Dissection for Gastric Neoplasm. <i>Medicine (United States)</i> , 2016, 95, e3593.	0.4	15
53	Inflammatory Response in COVID-19 Patients Resulting from the Interaction of the Inflammasome and SARS-CoV-2. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7914.	1.8	15
54	Isoflurane Postconditioning Inhibits tPA-Induced Matrix Metalloproteinases Activation After Hypoxic Injury via Low-Density Lipoprotein Receptor-Related Protein and Extracellular Signal-Regulated Kinase Pathway. <i>Neurochemical Research</i> , 2017, 42, 1533-1542.	1.6	14

#	ARTICLE	IF	CITATIONS
55	Preconditioning effects of the anesthetic administered to the donor on grafted kidney function in living donor kidney transplantation recipients. <i>Minerva Anesthesiologica</i> , 2013, 79, 504-14.	0.6	14
56	Percutaneous cardiopulmonary support to treat suspected venous air embolism with cardiac arrest during open eye surgery: a case report. <i>Korean Journal of Anesthesiology</i> , 2014, 67, 350.	0.9	13
57	Transient postoperative harlequin syndrome combined with Horner's syndrome in a pediatric patient after neck mass excision. <i>Paediatric Anaesthesia</i> , 2007, 17, 597-598.	0.6	12
58	Synergistic activation of lipopolysaccharide-stimulated glial cells by propofol. <i>Biochemical and Biophysical Research Communications</i> , 2013, 438, 420-426.	1.0	12
59	Perioperative respiratory adverse events in children with active upper respiratory tract infection who received general anesthesia through an orotracheal tube and inhalation agents. <i>Korean Journal of Anesthesiology</i> , 2013, 65, 136.	0.9	12
60	Risk Assessment of Mortality Following Intraoperative Cardiac Arrest Using POSSUM and P-POSSUM in Adults Undergoing Non-Cardiac Surgery. <i>Yonsei Medical Journal</i> , 2015, 56, 1401.	0.9	12
61	Respiratory Depression Caused by Remifentanyl Infusion for Postoperative Pain Control. <i>Anesthesia and Analgesia</i> , 2006, 103, 1627-1628.	1.1	11
62	Effect of sevoflurane on grafted kidney function in renal transplantation. <i>Korean Journal of Anesthesiology</i> , 2012, 62, 529.	0.9	11
63	Comparison of Sufentanil- and Fentanyl-based Intravenous Patient-controlled Analgesia on Postoperative Nausea and Vomiting after Laparoscopic Nephrectomy: A Prospective, Double-blind, Randomized-controlled Trial. <i>International Journal of Medical Sciences</i> , 2020, 17, 207-213.	1.1	11
64	Bile duct ligation of C57BL/6 mice as a model of hepatic encephalopathy. <i>Anesthesia and Pain Medicine</i> , 2020, 15, 19-27.	0.5	10
65	The Analgesic Effect of Single Dose of Intrathecal Magnesium Sulfate. <i>Daehan Macwi'gwa Haghoeji</i> , 2007, 52, S72.	0.2	10
66	Laparoscopy-assisted subtotal gastrectomy under thoracic epidural-general anesthesia leading to the effects on postoperative micturition. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2008, 22, 724-730.	1.3	8
67	Delayed detection of subcutaneous emphysema following routine endotracheal intubation -A case report-. <i>Korean Journal of Anesthesiology</i> , 2010, 59, 220.	0.9	8
68	Multiple cerebral infarction and paradoxical air embolism during hepatectomy using the Cavitron Ultrasonic Surgical Aspirator -A case report-. <i>Korean Journal of Anesthesiology</i> , 2010, 59, S133.	0.9	8
69	A randomised trial evaluating the effect of intraoperative iron administration. <i>Scientific Reports</i> , 2020, 10, 15853.	1.6	6
70	Clinical efficacy of the classic laryngeal mask airway in elderly patients: a comparison with young adult patients. <i>Korean Journal of Anesthesiology</i> , 2015, 68, 568.	0.9	6
71	Accuracy and Efficacy of Impedance Cardiography as a Non-Invasive Cardiac Function Monitor. <i>Yonsei Medical Journal</i> , 2019, 60, 735.	0.9	6
72	Comparison of Continuous Epidural and Intravenous Analgesia for Postoperative Pain Control in Pediatric Lower Extremity Surgery. <i>Yonsei Medical Journal</i> , 2004, 45, 789.	0.9	5

#	ARTICLE	IF	CITATIONS
73	Pharmacodynamic Estimate of Propofol-Induced Sedation and Airway Obstruction Effects in Obstructive Sleep Apnea-Hypopnea Syndrome. <i>Yonsei Medical Journal</i> , 2015, 56, 1408.	0.9	5
74	Comparison of Perioperative Renal Function Between Epidural and Intravenous Patient-Controlled Analgesia After Living-Donor Hepatectomy: A Retrospective Study. <i>Transplantation Proceedings</i> , 2018, 50, 1365-1371.	0.3	5
75	The Impact of Perioperative Factors on Changes in Diastolic Function after Kidney Transplantation: A Retrospective Analysis. <i>Yonsei Medical Journal</i> , 2019, 60, 291.	0.9	5
76	Propofol treatment modulates neurite extension regulated by immunologically challenged rat primary astrocytes: a possible role of PAI-1. <i>Archives of Pharmacal Research</i> , 2015, 38, 556-565.	2.7	4
77	Intranuclear delivery of synthetic nuclear factor-kappa B p65 reduces inflammasomes after surgery. <i>Biochemical Pharmacology</i> , 2018, 158, 141-152.	2.0	4
78	Effects of intraoperative dexmedetomidine infusion on renal function in elective living donor kidney transplantation: a randomized controlled trial. <i>Canadian Journal of Anaesthesia</i> , 2022, 69, 448-459.	0.7	4
79	Nasotracheal intubation in an infant with Pierre Robin syndrome using two fiberoptic bronchoscopes of different diameter. <i>Paediatric Anaesthesia</i> , 2004, 14, 366-367.	0.6	3
80	Apnea and unconsciousness after accidental subdural placement of an epidural catheter. <i>Korean Journal of Anesthesiology</i> , 2013, 64, 554.	0.9	3
81	Analgesic Effect of Intrathecal Morphine Combined with Low-Dose Bupivacaine on Postoperative Analgesia after Liver Resection: A Randomized Controlled Study. <i>Journal of Personalized Medicine</i> , 2022, 12, 211.	1.1	3
82	Perioperative management of adult living donor liver transplantation: Part 1 “ recipients. <i>Clinical Transplantation</i> , 2022, 36, e14667.	0.8	3
83	Postoperative cognitive dysfunction: advances based on pre-clinical studies. <i>Anesthesia and Pain Medicine</i> , 2018, 13, 113-121.	0.5	2
84	Anesthetic induced neurotoxicity in children. <i>Korean Journal of Anesthesiology</i> , 2017, 70, 237.	0.9	2
85	Propofol prevents further prolongation of QT interval during liver transplantation. <i>Scientific Reports</i> , 2022, 12, 4636.	1.6	2
86	The Relationship of the Anthropometric Variables to the Infusion Rate of Rocuronium in the Elderly. <i>Yonsei Medical Journal</i> , 2005, 46, 643.	0.9	1
87	Influence of caudal block on postoperative oliguria in infants undergoing bilateral ureteroneocystostomy: a retrospective analysis. <i>Paediatric Anaesthesia</i> , 2017, 27, 695-701.	0.6	1
88	Anesthetic Management in Pediatric Liver Transplantation. <i>The Journal of the Korean Society for Transplantation</i> , 2018, 32, 31.	0.2	1
89	Effects of the Type of Intraoperative Fluid in Living Donor Kidney Transplantation: A Single-Center Retrospective Cohort Study. <i>Yonsei Medical Journal</i> , 2022, 63, 380.	0.9	1
90	Development of Machine Learning Models Predicting Estimated Blood Loss during Liver Transplant Surgery. <i>Journal of Personalized Medicine</i> , 2022, 12, 1028.	1.1	1

#	ARTICLE	IF	CITATIONS
91	The role of residues in binding loop A in desflurane and propofol modulation of recombinant 5-HT3A receptor. <i>Neuroscience Letters</i> , 2009, 465, 147-150.	1.0	0
92	Impact of Diabetes Mellitus on Radial and Ulnar Arterial Vasoreactivity after Radial Artery Cannulation: A Randomized Controlled trial. <i>International Journal of Medical Sciences</i> , 2016, 13, 701-707.	1.1	0
93	Combined Subpectoral Implantation of Implantable Cardioverter-Defibrillator and Augmentation Mammoplasty in a Young Female Patient. <i>Korean Circulation Journal</i> , 2016, 46, 734.	0.7	0
94	Comparison between use of single lightwand and video laryngoscope-guided lightwand for tracheal intubation in simulated cervical spine-immobilized patients: a single-blind randomized study. <i>Journal of International Medical Research</i> , 2019, 47, 5632-5642.	0.4	0
95	Effect of Equal Ratio Ventilation on Respiratory Mechanics and Oxygenation During Volume-Controlled Ventilation in Pediatric Patients. <i>Yonsei Medical Journal</i> , 2021, 62, 503.	0.9	0
96	Effects of the type of intraoperative fluid in living donor kidney transplantation: a single-center retrospective cohort study. <i>Korean Journal of Transplantation</i> , 2021, 35, S4-S4.	0.0	0
97	Ability of dynamic preload indices to predict fluid responsiveness in a high femoral-to-radial arterial pressure gradient: a retrospective study. <i>Anesthesia and Pain Medicine</i> , 2021, 16, 360-367.	0.5	0
98	Guidelines help us to keep calm when facing a difficult airway. <i>Korean Journal of Anesthesiology</i> , 2016, 69, 209.	0.9	0
99	More to be done for the older patients. <i>Korean Journal of Anesthesiology</i> , 2020, 73, 1-2.	0.9	0
100	Successful wire-guided fiberoptic nasotracheal intubation in a patient with hemifacial microsomia - A case report -. <i>Anesthesia and Pain Medicine</i> , 2020, 15, 73-77.	0.5	0