

# Bon-Nyeo Koo

## List of Publications by Year in descending order

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100  
papers

2,005  
citations

257101

24  
h-index

315357

38  
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103  
all docs

103  
docs citations

103  
times ranked

2392  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Propofol prevents further prolongation of QT interval during liver transplantation. <i>Scientific Reports</i> , 2022, 12, 4636.	1.6	2
4	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
5	Perioperative management of adult living donor liver transplantation: Part 1 “ recipients. <i>Clinical Transplantation</i> , 2022, 36, e14667.	0.8	3
6	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
7	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
8	Orthopedic surgery-induced cognitive dysfunction is mediated by CX3CL1/R1 signaling. <i>Journal of Neuroinflammation</i> , 2021, 18, 93.	3.1	16
9	Scopolamine promotes neuroinflammation and delirium-like neuropsychiatric disorder in mice. <i>Scientific Reports</i> , 2021, 11, 8376.	1.6	31
10	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
11	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
12	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
13	A randomised trial evaluating the effect of intraoperative iron administration. <i>Scientific Reports</i> , 2020, 10, 15853.	1.6	6
14	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
15	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
16	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
17	More to be done for the older patients. <i>Korean Journal of Anesthesiology</i> , 2020, 73, 1-2.	0.9	0
18	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

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19	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
20	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
21	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
22	Accuracy and Efficacy of Impedance Cardiography as a Non-Invasive Cardiac Function Monitor. <i>Yonsei Medical Journal</i> , 2019, 60, 735.	0.9	6
23	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
24	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
25	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
26	Effects of Tranexamic Acid Based on its Population Pharmacokinetics in Pediatric Patients Undergoing Distraction Osteogenesis for Craniosynostosis: Rotational Thromboelastometry (ROTEM <sup>TM</sup> ) Analysis. <i>International Journal of Medical Sciences</i> , 2018, 15, 788-795.	1.1	17
27	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
28	Intranuclear delivery of synthetic nuclear factor-kappa B p65 reduces inflammasomes after surgery. <i>Biochemical Pharmacology</i> , 2018, 158, 141-152.	2.0	4
29	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
30	Postoperative cognitive dysfunction: advances based on pre-clinical studies. <i>Anesthesia and Pain Medicine</i> , 2018, 13, 113-121.	0.5	2
31	Anesthetic Management in Pediatric Liver Transplantation. <i>The Journal of the Korean Society for Transplantation</i> , 2018, 32, 31.	0.2	1
32	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
33	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
34	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
35	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
36	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

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37	Erythropoietin Attenuates Postoperative Cognitive Dysfunction by Shifting Macrophage Activation toward the M2 Phenotype. <i>Frontiers in Pharmacology</i> , 2017, 8, 839.	1.6	35
38	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
39	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
40	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
41	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
42	Anesthetic induced neurotoxicity in children. <i>Korean Journal of Anesthesiology</i> , 2017, 70, 237.	0.9	2
43	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
44	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
45	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
46	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
47	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
48	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
49	Efficacy of Intravenous Lidocaine During Endoscopic Submucosal Dissection for Gastric Neoplasm. <i>Medicine (United States)</i> , 2016, 95, e3593.	0.4	15
50	Guidelines help us to keep calm when facing a difficult airway. <i>Korean Journal of Anesthesiology</i> , 2016, 69, 209.	0.9	0
51	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
52	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
53	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
54	Comparison of three sedation regimens for drug-induced sleep endoscopy. <i>Sleep and Breathing</i> , 2015, 19, 711-717.	0.9	54

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55	Propofol treatment modulates neurite extension regulated by immunologically challenged rat primary astrocytes: a possible role of PAI-1. Archives of Pharmacal Research, 2015, 38, 556-565.	2.7	4
56	Intranuclear interactomic inhibition of NF- $\kappa$ B suppresses LPS-induced severe sepsis. Biochemical and Biophysical Research Communications, 2015, 464, 711-717.	1.0	24
57	Effect of isoflurane post-treatment on tPA-exaggerated brain injury in a rat ischemic stroke model. Korean Journal of Anesthesiology, 2015, 68, 281.	0.9	36
58	Clinical efficacy of the classic laryngeal mask airway in elderly patients: a comparison with young adult patients. Korean Journal of Anesthesiology, 2015, 68, 568.	0.9	6
59	Low-Dose Dexmedetomidine Reduces Emergence Agitation after Desflurane Anaesthesia in Children Undergoing Strabismus Surgery. Yonsei Medical Journal, 2014, 55, 508.	0.9	47
60	Efficacy of Intrathecal Morphine Combined with Intravenous Analgesia versus Thoracic Epidural Analgesia after Gastrectomy. Yonsei Medical Journal, 2014, 55, 1106.	0.9	15
61	Percutaneous cardiopulmonary support to treat suspected venous air embolism with cardiac arrest during open eye surgery: a case report. Korean Journal of Anesthesiology, 2014, 67, 350.	0.9	13
62	Analgesic efficacy of caudal dexamethasone combined with ropivacaine in children undergoing orchiopexy. British Journal of Anaesthesia, 2014, 112, 885-891.	1.5	52
63	Effect of Propofol Post-treatment on Blood-Brain Barrier Integrity and Cerebral Edema After Transient Cerebral Ischemia in Rats. Neurochemical Research, 2013, 38, 2276-2286.	1.6	39
64	Synergistic activation of lipopolysaccharide-stimulated glial cells by propofol. Biochemical and Biophysical Research Communications, 2013, 438, 420-426.	1.0	12
65	Agmatine promotes the migration of murine brain endothelial cells via multiple signaling pathways. Life Sciences, 2013, 92, 42-50.	2.0	15
66	Apnea and unconsciousness after accidental subdural placement of an epidural catheter. Korean Journal of Anesthesiology, 2013, 64, 554.	0.9	3
67	Perioperative respiratory adverse events in children with active upper respiratory tract infection who received general anesthesia through an orotracheal tube and inhalation agents. Korean Journal of Anesthesiology, 2013, 65, 136.	0.9	12
68	Efficacy of intraoperative dexmedetomidine infusion on emergence agitation and quality of recovery after nasal surgery. British Journal of Anaesthesia, 2013, 111, 222-228.	1.5	127
69	Comparison of Emergence Time in Children Undergoing Minor Surgery According to Anesthetic: Desflurane and Sevoflurane. Yonsei Medical Journal, 2013, 54, 732.	0.9	18
70	Preconditioning effects of the anesthetic administered to the donor on grafted kidney function in living donor kidney transplantation recipients. Minerva Anesthesiologica, 2013, 79, 504-14.	0.6	14
71	Effect of sevoflurane on grafted kidney function in renal transplantation. Korean Journal of Anesthesiology, 2012, 62, 529.	0.9	11
72	The Neuroprotective Effect of Agmatine After Focal Cerebral Ischemia in Diabetic Rats. Journal of Neurosurgical Anesthesiology, 2012, 24, 39-50.	0.6	23

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73	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
74	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
75	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
76	Psychotropic and nonpsychotropic cannabis derivatives inhibit human 5-HT <sub>3A</sub> receptors through a receptor desensitization-dependent mechanism. <i>Neuroscience</i> , 2011, 184, 28-37.	1.1	22
77	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
78	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
79	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
80	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
81	Delayed detection of subcutaneous emphysema following routine endotracheal intubation -A case report-. <i>Korean Journal of Anesthesiology</i> , 2010, 59, 220.	0.9	8
82	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
83	Comparison of intrathecal fentanyl and sufentanyl in low-dose dilute bupivacaine spinal anaesthesia for transurethral prostatectomy. <i>British Journal of Anaesthesia</i> , 2009, 103, 750-754.	1.5	46
84	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
85	The effect of pneumoperitoneum in the steep Trendelenburg position on cerebral oxygenation. <i>Acta Anaesthesiologica Scandinavica</i> , 2009, 53, 895-899.	0.7	97
86	The role of residues in binding loop A in desflurane and propofol modulation of recombinant 5-HT <sub>3A</sub> receptor. <i>Neuroscience Letters</i> , 2009, 465, 147-150.	1.0	0
87	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
88	Anandamide Inhibition of 5-HT <sub>3A</sub> Receptors Varies with Receptor Density and Desensitization. <i>Molecular Pharmacology</i> , 2008, 73, 314-322.	1.0	34
89	Comparison of Remifentanyl and Fentanyl for Postoperative Pain Control after Abdominal Hysterectomy. <i>Yonsei Medical Journal</i> , 2008, 49, 204.	0.9	19
90	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

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91	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
92	The Analgesic Effect of Single Dose of Intrathecal Magnesium Sulfate. <i>Daehan Macwi'gwa Haghoeji</i> , 2007, 52, S72.	0.2	10
93	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
94	Respiratory Depression Caused by Remifentanyl Infusion for Postoperative Pain Control. <i>Anesthesia and Analgesia</i> , 2006, 103, 1627-1628.	1.1	11
95	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
96	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
97	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
98	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
99	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
100	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