

# Kook In Park

## List of Publications by Year in descending order

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79  
papers

3,660  
citations

304368

22  
h-index

128067

60  
g-index

87  
all docs

87  
docs citations

87  
times ranked

4825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Directed migration of neural stem cells to sites of CNS injury by the stromal cell-derived factor 1 $\alpha$ /CXCR4 chemokine receptor 4 pathway. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 18117-18122.	3.3	1,023
2	The injured brain interacts reciprocally with neural stem cells supported by scaffolds to reconstitute lost tissue. Nature Biotechnology, 2002, 20, 1111-1117.	9.4	541
3	Stem cells act through multiple mechanisms to benefit mice with neurodegenerative metabolic disease. Nature Medicine, 2007, 13, 439-447.	15.2	293
4	Hyaluronic Acid Catechol: A Biopolymer Exhibiting a pH-Dependent Adhesive or Cohesive Property for Human Neural Stem Cell Engineering. Advanced Functional Materials, 2013, 23, 1774-1780.	7.8	246
5	Neural stem cells may be uniquely suited for combined gene therapy and cell replacement: Evidence from engraftment of Neurotrophin-3-expressing stem cells in hypoxic-ischemic brain injury. Experimental Neurology, 2006, 199, 179-190.	2.0	150
6	Acute injury directs the migration, proliferation, and differentiation of solid organ stem cells: Evidence from the effect of hypoxia-ischemia in the CNS on clonal $\beta$ -galactosidase reporter neural stem cells. Experimental Neurology, 2006, 199, 156-178.	2.0	123
7	Human neural stem cells alleviate Alzheimer-like pathology in a mouse model. Molecular Neurodegeneration, 2015, 10, 38.	4.4	120
8	Human neurospheres derived from the fetal central nervous system are regionally and temporally specified but are not committed. Experimental Neurology, 2006, 199, 222-235.	2.0	106
9	Clinical Trial of Human Fetal Brain-Derived Neural Stem/Progenitor Cell Transplantation in Patients with Traumatic Cervical Spinal Cord Injury. Neural Plasticity, 2015, 2015, 1-22.	1.0	104
10	An Evolved Adeno-associated Viral Variant Enhances Gene Delivery and Gene Targeting in Neural Stem Cells. Molecular Therapy, 2011, 19, 667-675.	3.7	91
11	Growth factor-expressing human neural progenitor cell grafts protect motor neurons but do not ameliorate motor performance and survival in ALS mice. Experimental and Molecular Medicine, 2009, 41, 487.	3.2	77
12	Amyloid- $\beta$ oligomers regulate the properties of human neural stem cells through GSK-3 $\beta$ signaling. Experimental and Molecular Medicine, 2013, 45, e60-e60.	3.2	58
13	Congenital cytomegalovirus infection in Korean population with very high prevalence of maternal immunity. Journal of Korean Medical Science, 1992, 7, 47.	1.1	54
14	Biodegradable Nanotopography Combined with Neurotrophic Signals Enhances Contact Guidance and Neuronal Differentiation of Human Neural Stem Cells. Macromolecular Bioscience, 2015, 15, 1348-1356.	2.1	53
15	Oct4-induced oligodendrocyte progenitor cells enhance functional recovery in spinal cord injury model. EMBO Journal, 2015, 34, 2971-2983.	3.5	49
16	Transplantation of Neural Stem Cells: Cellular & Gene Therapy for Hypoxic-Ischemic Brain Injury. Yonsei Medical Journal, 2000, 41, 825.	0.9	45
17	Design of Magnetically Labeled Cells (Mag-Cells) for in Vivo Control of Stem Cell Migration and Differentiation. Nano Letters, 2018, 18, 838-845.	4.5	43
18	Sliding Fibers: Slidable, Injectable, and Gel-like Electrospun Nanofibers as Versatile Cell Carriers. ACS Nano, 2016, 10, 3282-3294.	7.3	39

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19	Brain and spinal cord injury repair by implantation of human neural progenitor cells seeded onto polymer scaffolds. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-18.	3.2	38
20	Neural stem cells: properties and therapeutic potentials for hypoxic-ischemic brain injury in newborn infants. <i>Pediatrics International</i> , 2010, 52, 855-865.	0.2	36
21	TNF- $\alpha$ induces human neural progenitor cell survival after oxygen-glucose deprivation by activating the NF- $\kappa$ B pathway. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-14.	3.2	28
22	Clinical Evaluation of Red Cell Volume Distribution Width (RDW). <i>Yonsei Medical Journal</i> , 1987, 28, 282.	0.9	22
23	Human Fetal Brain-Derived Neural Stem/Progenitor Cells Grafted into the Adult Epileptic Brain Restrain Seizures in Rat Models of Temporal Lobe Epilepsy. <i>PLoS ONE</i> , 2014, 9, e104092.	1.1	22
24	Enhanced Self-Renewal and Accelerated Differentiation of Human Fetal Neural Stem Cells Using Graphene Oxide Nanoparticles. <i>Macromolecular Bioscience</i> , 2017, 17, 1600540.	2.1	19
25	Neurogenin-2 transduced human neural progenitor cells attenuate neonatal hypoxic-ischemic brain injury. <i>Translational Research</i> , 2017, 183, 121-136.e9.	2.2	18
26	Glial Cell Line-derived Neurotrophic Factor-overexpressing Human Neural Stem/Progenitor Cells Enhance Therapeutic Efficiency in Rat with Traumatic Spinal Cord Injury. <i>Experimental Neurobiology</i> , 2019, 28, 679-696.	0.7	18
27	Real-Time Discrimination between Proliferation and Neuronal and Astroglial Differentiation of Human Neural Stem Cells. <i>Scientific Reports</i> , 2014, 4, 6319.	1.6	15
28	Prospective evaluation of perinatal risk factors for cerebral palsy and delayed development in high risk infants. <i>Yonsei Medical Journal</i> , 1999, 40, 363.	0.9	14
29	Salt-Induced Electrospun Patterned Bundled Fibers for Spatially Regulating Cellular Responses. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13320-13331.	4.0	14
30	The efficacy and safety of Montelukast sodium in the prevention of bronchopulmonary dysplasia. <i>Korean Journal of Pediatrics</i> , 2015, 58, 347.	1.9	13
31	Experience and pharmacokinetics of Levetiracetam in Korean neonates with neonatal seizures. <i>Korean Journal of Pediatrics</i> , 2017, 60, 50.	1.9	13
32	The Promotion of Human Neural Stem Cells Adhesion Using Bioinspired Poly(norepinephrine) Nanoscale Coating. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-10.	1.5	12
33	Imaging patterns of sonographic lenticulostriate vasculopathy and correlation with clinical and neurodevelopmental outcome. <i>Journal of Clinical Ultrasound</i> , 2015, 43, 367-374.	0.4	12
34	TNF- $\alpha$ Pretreatment Improves the Survival and Function of Transplanted Human Neural Progenitor Cells Following Hypoxic-Ischemic Brain Injury. <i>Cells</i> , 2020, 9, 1195.	1.8	11
35	Outcomes of infants born to pregnant women with syphilis: a nationwide study in Korea. <i>BMC Pediatrics</i> , 2021, 21, 47.	0.7	11
36	Effective Tidal Volume for Normocapnia in Very-Low-Birth-Weight Infants Using High-Frequency Oscillatory Ventilation. <i>Yonsei Medical Journal</i> , 2018, 59, 101.	0.9	8

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37	Effect of surfactant lavage in severe meconium aspiration syndrome. Korean Journal of Pediatrics, 2008, 51, 367.	1.9	8
38	Pulmonary Surfactant Replacement Therapy for Respiratory Distress Syndrome in Neonates: a Nationwide Epidemiological Study in Korea. Journal of Korean Medical Science, 2020, 35, e253.	1.1	8
39	A Case of Pulmonary Interstitial Emphysema Treated by Percutaneous Catheter Insertion in Extremely Low Birth Weight Infant. Yonsei Medical Journal, 2016, 57, 1523.	0.9	7
40	Efficacy and Safety of Kangaroo Mother Care in Preterm Infants in Korea. Korean Journal of Perinatology, 2015, 26, 305.	0.1	6
41	Identification of Growth Patterns in Low Birth Weight Infants from Birth to 5 Years of Age: Nationwide Korean Cohort Study. International Journal of Environmental Research and Public Health, 2021, 18, 1206.	1.2	6
42	Usefulness of serum cystatin C to determine the dose of vancomycin in neonate. Korean Journal of Pediatrics, 2015, 58, 421.	1.9	6
43	Growth failure of very low birth weight infants during the first 3 years: A Korean neonatal network. PLoS ONE, 2021, 16, e0259080.	1.1	6
44	Epidemiology of Macrosomia in Korea: Growth and Development. Journal of Korean Medical Science, 2021, 36, e320.	1.1	6
45	Safety and efficacy evaluations of an adeno-associated virus variant for preparing IL10-secreting human neural stem cell-based therapeutics. Gene Therapy, 2019, 26, 135-150.	2.3	5
46	The impact of neonatal morbidities on child growth and developmental outcomes in very low birth weight infants: a nationwide cohort study. European Journal of Pediatrics, 2022, 181, 197-205.	1.3	5
47	Pastable, Adhesive, Injectable, Nanofibrous, and Tunable (PAINT) Biphasic Hybrid Matrices as Versatile Therapeutic Carriers. ACS Applied Materials & Interfaces, 2021, 13, 42429-42441.	4.0	5
48	Inverted Quasi-Spherical Droplets on Polydopamine-TiO <sub>2</sub> Substrates for Enhancing Gene Delivery. Macromolecular Bioscience, 2017, 17, 1700148.	2.1	4
49	Montelukast as an add-on therapy in bronchopulmonary dysplasia. Korean Journal of Pediatrics, 2009, 52, 181.	1.9	4
50	Serological investigation of Ureaplasma urealyticum in Korean preterm infants. Korean Journal of Pediatrics, 2013, 56, 477.	1.9	4
51	Implementation of a Targeted Next-Generation Sequencing Panel for Constitutional Newborn Screening in High-Risk Neonates. Yonsei Medical Journal, 2019, 60, 1061.	0.9	4
52	Cellular Response of Ventricular-Subventricular Neural Progenitor/Stem Cells to Neonatal Hypoxic-Ischemic Brain Injury and Their Enhanced Neurogenesis. Yonsei Medical Journal, 2020, 61, 492.	0.9	4
53	Impact of neonatal resuscitation changes on outcomes of very-low-birth-weight infants. Scientific Reports, 2021, 11, 9003.	1.6	3
54	Clinical Pharmacokinetics of Caffeine in Korean Preterm Infants with Apnea of Prematurity. Neonatal Medicine, 2017, 24, 20.	0.1	3

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55	Meconium-related Ileus in Extremely Low-birth Weight Newborn Infants Meconium-related Ileus in ELBWI. Neonatal Medicine, 2013, 20, 121.	0.1	3
56	Bioinspired Materials: Hyaluronic Acid Catechol: A Biopolymer Exhibiting a pH-Dependent Adhesive or Cohesive Property for Human Neural Stem Cell Engineering (Adv. Funct. Mater. 14/2013). Advanced Functional Materials, 2013, 23, 1856-1856.	7.8	2
57	Abnormal neurodevelopmental outcomes are very likely in cases of bilateral neonatal arterial ischaemic stroke. Acta Paediatrica, International Journal of Paediatrics, 2017, 106, 229-235.	0.7	2
58	Genitopatellar Syndrome Secondary to <i>De Novo</i> <i>KAT6B</i> Mutation: The First Genetically Confirmed Case in South Korea. Yonsei Medical Journal, 2019, 60, 395.	0.9	2
59	Diagnosis of Severe Protein C Deficiency Confirmed by Presence of Rare <i>PROCG</i> Gene Mutation. Neonatal Medicine, 2016, 23, 233.	0.1	2
60	Oxygenation index as a respiratory parameter of respiratory distress syndrome in preterm infants. Korean Journal of Pediatrics, 2008, 51, 145.	1.9	2
61	Therapeutic Application of Neural Stem Cells for Neonatal Hypoxic-ischemic Brain Injury. Neonatal Medicine, 2013, 20, 343.	0.1	2
62	Association between bronchopulmonary dysplasia and early respiratory morbidity in children with respiratory distress syndrome: a case-control study using nationwide data. Scientific Reports, 2022, 12, 7578.	1.6	2
63	Growth Pattern With Morbidities From Birth to 5 Years of Age in Very Low Birth Weight Infants: Comparison of the Korean National Network and National Health Insurance Service. Journal of Korean Medical Science, 2022, 37, .	1.1	2
64	A case of postoperative nasopharyngeal reflux associated with retropharyngeal lymphangioma in newborn infant. Korean Journal of Pediatrics, 2010, 53, 258.	1.9	1
65	The effect of restricted fluid intakes in the first week of life on the risk of bronchopulmonary dysplasia and patent ductus arteriosus in very low birth weight infants. Korean Journal of Pediatrics, 2007, 50, 536.	1.9	1
66	Autosomal Recessive Polycystic Kidney Disease Confirmed to <i>PKHD1</i> Gene Mutation: A Case of <i>PKHD1</i> Gene Mutation. Neonatal Medicine, 2014, 21, 64.	0.1	1
67	Medical Litigation and the Care of Newborns. Neonatal Medicine, 2015, 22, 1.	0.1	1
68	Evaluation of Newborn Infants with Prenatally Diagnosed Congenital Pulmonary Airway Malformation: A Single-Center Experience. Neonatal Medicine, 2019, 26, 138-146.	0.1	1
69	Effect of tolazoline on persistent hypoxemia in severe hyaline membrane disease. Yonsei Medical Journal, 1990, 31, 156.	0.9	0
70	Transplantation of neural stem cells: cellular and gene therapy in pediatric hypoxic-ischemic brain injury. , 2002, , 299-316.		0
71	Clinical applications of human neural stem cells in neurodegenerative diseases, especially neonatal hypoxic-ischemic brain injury and spinal cord injury. Journal of the Korean Medical Association, 2011, 54, 468.	0.1	0
72	Clinical Outcomes of Renal Pelvis Dilatation in Very Low Birth Weight Infants. Perinatology, 2016, 27, 244.	0.0	0

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73	Bedside upper gastrointestinal series in the neonatal intensive care unit. BMC Pediatrics, 2021, 21, 91.	0.7	0
74	De novo interstitial direct duplication 8 (p21.3p23.1) with Pierre Robin sequence. Korean Journal of Pediatrics, 2009, 52, 603.	1.9	0
75	Clinical experience of therapeutic effect of peritoneal drainage on intestinal perforation in preterm infants. Korean Journal of Pediatrics, 2009, 52, 1216.	1.9	0
76	Three Cases of Mitochondrial Disorders in the Neonatal Period. Journal of the Korean Society of Neonatology, 2010, 17, 254.	0.3	0
77	A Case of Congenital Gastric Outlet Obstruction with Serosal Fibrous Band in Prematurity. Korean Journal of Perinatology, 2014, 25, 302.	0.1	0
78	Risk Factors for Postoperative Cardiopulmonary Instability Following Ligation of Patent Ductus Arteriosus in Very Low Birth Weight Infants. Neonatal Medicine, 2015, 22, 198.	0.1	0
79	Human Neural Stem Cells: Translational Research for Neonatal Hypoxic-Ischemic Brain Injury. Neonatal Medicine, 2019, 26, 1-16.	0.1	0