

Osamu Honmou

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39 papers	1,453 citations	15 h-index	38 g-index
44 ext. papers	1,705 ext. citations	3.5 avg, IF	4.11 L-index

#	Paper	IF	Citations
39	Intravenous administration of auto serum-expanded autologous mesenchymal stem cells in stroke. <i>Brain</i> , 2011 , 134, 1790-807	11.2	377
38	Transplantation of an acutely isolated bone marrow fraction repairs demyelinated adult rat spinal cord axons. <i>Glia</i> , 2001 , 35, 26-34	9	193
37	Transplantation of human olfactory ensheathing cells elicits remyelination of demyelinated rat spinal cord. <i>Glia</i> , 2000 , 30, 209-18	9	178
36	Intravenous administration of mesenchymal stem cells derived from bone marrow after contusive spinal cord injury improves functional outcome. <i>Brain Research</i> , 2010 , 1343, 226-35	3.7	168
35	Mesenchymal stem cells: therapeutic outlook for stroke. <i>Trends in Molecular Medicine</i> , 2012 , 18, 292-7	11.5	129
34	Intravenous infusion of mesenchymal stem cells promotes functional recovery in a model of chronic spinal cord injury. <i>Neuroscience</i> , 2016 , 335, 221-31	3.9	72
33	Bone marrow stem cells in experimental stroke. <i>Progress in Brain Research</i> , 2012 , 201, 79-98	2.9	43
32	Synergic Effects of Rehabilitation and Intravenous Infusion of Mesenchymal Stem Cells After Stroke in Rats. <i>Physical Therapy</i> , 2016 , 96, 1791-1798	3.3	41
31	Intravenous infusion of mesenchymal stem cells inhibits intracranial hemorrhage after recombinant tissue plasminogen activator therapy for transient middle cerebral artery occlusion in rats. <i>Journal of Neurosurgery</i> , 2017 , 127, 917-926	3.2	29
30	Intravenous mesenchymal stem cell administration exhibits therapeutic effects against 6-hydroxydopamine-induced dopaminergic neurodegeneration and glial activation in rats. <i>Neuroscience Letters</i> , 2015 , 584, 276-81	3.3	23
29	Bilateral cortical hyperactivity detected by fMRI associates with improved motor function following intravenous infusion of mesenchymal stem cells in a rat stroke model. <i>Brain Research</i> , 2013 , 1497, 15-22	3.7	23
28	Intravenous infusion of mesenchymal stem cells improves impaired cognitive function in a cerebral small vessel disease model. <i>Neuroscience</i> , 2019 , 408, 361-377	3.9	22
27	Intravenous Infusion of Bone Marrow-Derived Mesenchymal Stem Cells Reduces Erectile Dysfunction Following Cavernous Nerve Injury in Rats. <i>Sexual Medicine</i> , 2018 , 6, 49-57	2.7	16
26	Intravenous Preload of Mesenchymal Stem Cells Rescues Erectile Function in a Rat Model of Cavernous Nerve Injury. <i>Journal of Sexual Medicine</i> , 2015 , 12, 1713-21	1.1	16
25	Preservation of interhemispheric cortical connections through corpus callosum following intravenous infusion of mesenchymal stem cells in a rat model of cerebral infarction. <i>Brain Research</i> , 2018 , 1695, 37-44	3.7	16
24	Intravenous infusion of mesenchymal stem cells reduces epileptogenesis in a rat model of status epilepticus. <i>Epilepsy Research</i> , 2018 , 141, 56-63	3	13
23	Intravenous Infusion of Mesenchymal Stem Cells Alters Motor Cortex Gene Expression in a Rat Model of Acute Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2019 , 36, 411-420	5.4	9

22	Intravenous infusion of auto serum-expanded autologous mesenchymal stem cells in spinal cord injury patients: 13 case series. <i>Clinical Neurology and Neurosurgery</i> , 2021 , 203, 106565	2	9
21	Intravenous infusion of mesenchymal stem cells promotes functional recovery in a rat model of chronic cerebral infarction. <i>Journal of Neurosurgery</i> , 2018 , 1-8	3.2	8
20	Elevated brain derived neurotrophic factor levels in plasma reflect in vivo functional viability of infused mesenchymal stem cells for stroke in rats. <i>Journal of Neurosurgical Sciences</i> , 2019 , 63, 42-49	1.3	8
19	Digital Polymerase Chain Reaction Quantification of SERPINA1 Predicts Prognosis in High-Grade Glioma. <i>World Neurosurgery</i> , 2018 , 111, e783-e789	2.1	7
18	Functional recovery after the systemic administration of mesenchymal stem cells in a rat model of neonatal hypoxia-ischemia. <i>Journal of Neurosurgery: Pediatrics</i> , 2018 , 22, 513-522	2.1	7
17	Actin, alpha, cardiac muscle 1 (ACTC1) knockdown inhibits the migration of glioblastoma cells in vitro. <i>Journal of the Neurological Sciences</i> , 2018 , 392, 117-121	3.2	6
16	Intravenous infusion of mesenchymal stem cells for protection against brainstem infarction in a persistent basilar artery occlusion model in the adult rat. <i>Journal of Neurosurgery</i> , 2018 , 1-9	3.2	6
15	Intravenous delivery of mesenchymal stem cells protects both white and gray matter in spinal cord ischemia. <i>Brain Research</i> , 2020 , 1747, 147040	3.7	6
14	Intravenous infusion of mesenchymal stem cells delays disease progression in the SOD1G93A transgenic amyotrophic lateral sclerosis rat model. <i>Brain Research</i> , 2021 , 1757, 147296	3.7	5
13	Co-expression of tissue factor and IL-6 in immature endothelial cells of cerebral cavernous malformations. <i>Journal of Clinical Neuroscience</i> , 2017 , 37, 83-90	2.2	4
12	Prevention of neointimal hyperplasia induced by an endovascular stent via intravenous infusion of mesenchymal stem cells. <i>Journal of Neurosurgery</i> , 2019 , 1-13	3.2	4
11	"Chronic" State in Neural Diseases as the Target of Cellular Therapy with Mesenchymal Stem Cells. <i>World Neurosurgery</i> , 2020 , 135, 375-376	2.1	3
10	Intravenous Infusion of Mesenchymal Stem Cells Enhances Therapeutic Efficacy of Reperfusion Therapy in Cerebral Ischemia. <i>World Neurosurgery</i> , 2021 , 149, e160-e169	2.1	3
9	Interleukin-13 receptor alpha 2 as a marker of poorer prognosis in high-grade astrocytomas. <i>Journal of Neurosurgical Sciences</i> , 2018 , 62, 239-244	1.3	2
8	Repeated infusion of mesenchymal stem cells maintain the condition to inhibit deteriorated motor function, leading to an extended lifespan in the SOD1G93A rat model of amyotrophic lateral sclerosis. <i>Molecular Brain</i> , 2021 , 14, 76	4.5	2
7	Response of Mesenchymal Stem Cells from Rat Adult Bone Marrow to Honeycomb-patterned Porous Polymer Films. <i>Hyomen Kagaku</i> , 2010 , 31, 392-399		1
6	Focal brainstem infarction in the adult rat. <i>Lab Animal</i> , 2021 , 50, 97-107	0.4	1
5	Intravenous Infusion of Mesenchymal Stem Cells Promotes the Survival of Random Pattern Flaps in Rats. <i>Plastic and Reconstructive Surgery</i> , 2021 , 148, 799-807	2.7	0

- 4 Cell Therapy for CNS Diseases. *Japanese Journal of Neurosurgery*, **2016**, 25, 979-984 ○ ○
- 3 Prolonged lifespan in a spontaneously hypertensive rat (stroke prone) model following intravenous infusion of mesenchymal stem cells. *Heliyon*, **2020**, 6, e05833 3.6 ○
- 2 A Bone Marrow Stem Cell Therapy for Stroke Patients(Reconstruction of Neural Function : Its Clinical Application). *Japanese Journal of Neurosurgery*, **2008**, 17, 527-530 ○
- 1 Therapeutic effect by combining rehabilitation and intravenous infusion of mesenchymal stem cells after experimental stroke in rats. *No Junkan Taisha = Cerebral Blood Flow and Metabolism*, **2017**, 28, 281-289