

Tomohiko Hasegawa

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

1,454
citations

361413

20
h-index

454955

30
g-index

117
all docs

117
docs citations

117
times ranked

1213
citing authors

#	ARTICLE	IF	CITATIONS
1	Prognostic Factors for Respiratory Dysfunction for Cervical Spinal Cord Injury and/or Cervical Fractures in Elderly Patients: A Multicenter Survey. <i>Global Spine Journal</i> , 2024, 14, 101-112.	2.3	5
2	Risk Factors for Cervical Deformity After Posterior Cervical Decompression Surgery: A Multicenter Study. <i>Global Spine Journal</i> , 2023, 13, 1457-1466.	2.3	2
3	Sex differences between the relationship of trunk muscle mass and whole body sagittal plane alignment in older adults. <i>Journal of Orthopaedic Science</i> , 2023, 28, 315-320.	1.1	1
4	Characteristics of pedicle screw misplacement using freehand technique in degenerative scoliosis surgery. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2023, 143, 1861-1867.	2.4	3
5	Preoperative Malnutrition-Associated Spinal Malalignment with Patient-Reported Outcome Measures in Adult Spinal Deformity Surgery: A 2-Year Follow-Up Study. <i>Spine Surgery and Related Research</i> , 2023, 7, 74-82.	0.7	0
6	Impact of Early Intervertebral Osseous Union After Posterior Lumbar Interbody Fusion on Health-Related Quality of Life. <i>Global Spine Journal</i> , 2022, 12, 399-408.	2.3	2
7	Frequency of Change in Assessment from Bony Union to Nonunion after Lumbar Interbody Fusion: A Multicenter Study. <i>Spine Surgery and Related Research</i> , 2022, 6, 63-70.	0.7	3
8	Selective Angiography to Detect Anterior Spinal Artery Stenosis in Thoracic Ossification of the Posterior Longitudinal Ligament. <i>Asian Spine Journal</i> , 2022, 16, 334-342.	2.0	2
9	Disc degeneration could be recovered after chemonucleolysis with condoliase.-1 year clinical outcome of condoliase therapy-. <i>Journal of Orthopaedic Science</i> , 2022, 27, 767-773.	1.1	9
10	The Effect of Preoperative Nutritional Intervention for Adult Spinal Deformity Patients. <i>Spine</i> , 2022, 47, 387-395.	2.0	7
11	Revision Surgery Due to Proximal Junctional Failure and Rod Fracture in Adult Deformity Surgery at a Single Institution in Japan. <i>Spine Surgery and Related Research</i> , 2022, 6, 497-502.	0.7	5
12	Clinical Outcomes And Complications Of Corrective Fusion Surgery Down To L4, L5, And The Pelvis For Adult Scoliosis In Patients Younger Than 50 Years. <i>Spine Surgery and Related Research</i> , 2022, , .	0.7	0
13	Revision Surgery for a Rod Fracture with Multirod Constructs Using a Posterior-Only Approach Following Surgery for Adult Spinal Deformity. <i>Asian Spine Journal</i> , 2022, 16, 740-748.	2.0	3
14	Clinical Outcomes of Corrective Fusion Surgery From the Thoracic Spine to the Pelvis for Adult Spinal Deformity at 1, 2, and 5 years Postoperatively. <i>Spine</i> , 2022, 47, 792-799.	2.0	3
15	Should the upper end vertebra be selected as the upper instrumented vertebra in patients with Lenke type 5C adolescent idiopathic scoliosis?. <i>Spine Deformity</i> , 2022, 10, 1139-1148.	1.5	1
16	Risk factors and clinical impact of persistent coronal imbalance after posterior spinal fusion in thoracolumbar/lumbar idiopathic scoliosis. <i>Journal of Neurosurgery: Spine</i> , 2022, 37, 883-892.	1.7	0
17	Does preoperative prognostic nutrition index predict surgical site infection after spine surgery?. <i>European Spine Journal</i> , 2021, 30, 1765-1773.	2.2	27
18	Characteristics affecting cervical sagittal alignment in patients with chronic low back pain. <i>Journal of Orthopaedic Science</i> , 2021, 26, 577-583.	1.1	2

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19	Evaluation of the Central Sensitization Inventory Score in elderly adults with musculoskeletal examination. <i>Modern Rheumatology</i> , 2021, 31, 885-889.	1.8	8
20	Clinical outcome of condoliase injection treatment for lumbar disc herniation: Indications for condoliase therapy. <i>Journal of Orthopaedic Science</i> , 2021, 26, 79-85.	1.1	22
21	Spinal shortening osteotomy for adult tethered cord syndrome evaluated by intraoperative ultrasonography. <i>Journal of Orthopaedic Science</i> , 2021, 26, 363-368.	1.1	5
22	Preoperative Thoracic Curve Magnitude and L4 End Vertebra Were Risk Factors for Subjacent Disc Wedging After Selective Thoracolumbar/Lumbar Fusion with L3 as the Lowest Instrumented Vertebra in Lenke Type 5 Curve Patients. <i>Spine</i> , 2021, 46, E878-E887.	2.0	6
23	Incidence and Predictors of Postoperative Kyphotic Deformity after Thoracic Spinal Cord Tumor Resection. <i>Spine Surgery and Related Research</i> , 2021, 6, 17-25.	0.7	2
24	Prospective nursing care certification using the <scp>25â€«/scp>question Geriatric Locomotive Function Scale. <i>Geriatrics and Gerontology International</i> , 2021, 21, 492-497.	1.5	4
25	Relationship between locomotive syndrome, frailty and sarcopenia: Locomotive syndrome overlapped in the majority of frailty and sarcopenia patients. <i>Geriatrics and Gerontology International</i> , 2021, 21, 458-464.	1.5	7
26	Epidural Hemangioma: A Clinical Series of Five Patients and Review of Literature for the Decade. <i>Spine Surgery and Related Research</i> , 2021, 5, 133-143.	0.7	0
27	Planned two-stage surgery using lateral lumbar interbody fusion and posterior corrective fusion: a retrospective study of perioperative complications. <i>European Spine Journal</i> , 2021, 30, 2368-2376.	2.2	14
28	Importance of achieving Scoliosis Research Societyâ€“22r minimal clinically important difference for improving patient satisfaction after adult spinal deformity surgery. <i>Journal of Neurosurgery: Spine</i> , 2021, 35, 495-503.	1.7	2
29	Association between Pelvic Parameters and Vaginal Delivery. <i>Asian Spine Journal</i> , 2021, , .	2.0	0
30	Delayed neuromonitoring alarm after scoliosis correction in Lenke type 4 adolescent idiopathic scoliosis. <i>BMJ Case Reports</i> , 2021, 14, e242289.	0.5	0
31	Impact of Spinal Correction Surgeries with Osteotomy and Pelvic Fixation in Patients with Kyphosis Due to Osteoporotic Vertebral Fractures. <i>Asian Spine Journal</i> , 2021, 15, 523-532.	2.0	7
32	Comparison of the postoperative changes in trunk and lower extremity muscle activities between patients with adult spinal deformity and age-matched controls using surface electromyography. <i>Spine Deformity</i> , 2021, , 1.	1.5	3
33	Should L3 be selected as the lowest instrumented vertebra in patients with Lenke type 5C adolescent idiopathic scoliosis whose lowest end vertebra is L4?. <i>Journal of Neurosurgery: Spine</i> , 2021, 35, 330-339.	1.7	2
34	Impact of Habitual Exercise on Locomotive Function of Middle-aged and Elderly Volunteers: A Longitudinal Study. <i>Progress in Rehabilitation Medicine</i> , 2021, 6, n/a.	0.9	4
35	Japanese Orthopaedic Association (JOA) clinical practice guidelines on the management of ossification of the spinal ligament, 2019. <i>Journal of Orthopaedic Science</i> , 2021, 26, 1-45.	1.1	12
36	Factors Associated with Improved Quality of Life Outcomes in Patients Undergoing Surgery for Adult Spinal Deformity. <i>Spine</i> , 2021, 46, E384-E391.	2.0	7

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37	Cost-effectiveness of Corrective Fusion Surgeries for Adult Spinal Deformities. <i>Spine</i> , 2021, 46, 1249-1257.	2.0	5
38	Preoperative pelvic obliquity: possible relation to postoperative coronal decompensation in thoracolumbar/lumbar adolescent idiopathic scoliosis. <i>Journal of Neurosurgery: Spine</i> , 2021, , 1-10.	1.7	1
39	Prevalence of Locomotive Dysfunction Exacerbating Systolic Blood Pressure and Abdominal Circumference: A Longitudinal Cohort Analysis. <i>Metabolic Syndrome and Related Disorders</i> , 2021, 19, 562-566.	1.3	1
40	Simulation of Implant Impingement After Spinal Corrective Fusion Surgery in Patients with Previous Total Hip Arthroplasty: A Retrospective Case Series. <i>Spine</i> , 2021, 46, 512-519.	2.0	2
41	How does corrective fusion surgery for adult spinal deformities affect pelvic inclination in the supine position as the reference plane for THA?. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2021, , 1.	1.4	1
42	Risk factors for coronal oblique take-off following adult spinal deformity surgery using lateral lumbar interbody fusion and open posterior corrective fusion. <i>Spine Deformity</i> , 2021, , .	1.5	0
43	Is Blood Loss Greater In Elderly Patients Under Antiplatelet Or Anticoagulant Medication For Cervical Spine Injury Surgery? A Japanese Multicenter Survey. <i>Spine Surgery and Related Research</i> , 2021, , .	0.7	2
44	Hypertrophy of the ligamentum flavum in lumbar spinal canal stenosis is associated with abnormal accumulation of specific lipids. <i>Scientific Reports</i> , 2021, 11, 23515.	3.3	12
45	A systematic review and meta-analysis comparing anterior decompression with fusion and posterior laminoplasty for cervical ossification of the posterior longitudinal ligament. <i>Journal of Orthopaedic Science</i> , 2020, 25, 58-65.	1.1	31
46	The characteristics of the patients with radiologically severe cervical ossification of the posterior longitudinal ligament of the spine: A CT-based multicenter cross-sectional study. <i>Journal of Orthopaedic Science</i> , 2020, 25, 746-750.	1.1	4
47	Impact of shift to the concave side of the C7-center sacral vertical line on de novo degenerative lumbar scoliosis progression in elderly volunteers. <i>Journal of Orthopaedic Science</i> , 2020, 25, 82-88.	1.1	5
48	Effect of Perioperative Mental Status on Health-related Quality of Life in Patients With Adult Spinal Deformities. <i>Spine</i> , 2020, 45, E76-E82.	2.0	8
49	Extensive Spinal Fusion Surgery in Patients With Parkinson Disease or Atypical Parkinsonism. <i>Spine</i> , 2020, 45, E217-E226.	2.0	3
50	Differences in the geometrical spinal shape in the sagittal plane according to age and magnitude of pelvic incidence in healthy elderly individuals. <i>Journal of Orthopaedic Science</i> , 2020, 25, 557-564.	1.1	18
51	L5 pedicle subtraction osteotomy maintains good radiological and clinical outcomes in elderly patients with a rigid kyphosis deformity: a more than 2-year follow-up report. <i>European Spine Journal</i> , 2020, 29, 3018-3027.	2.2	5
52	Preoperative and Postoperative Sitting Radiographs for Adult Spinal Deformity Surgery. <i>Spine</i> , 2020, 45, E950-E958.	2.0	20
53	The Titanium-coated PEEK Cage Maintains Better Bone Fusion With the Endplate Than the PEEK Cage 6 Months After PLIF Surgery. <i>Spine</i> , 2020, 45, E892-E902.	2.0	26
54	The Impact of Geometrical Spinal Shape on Fresh Vertebral Fractures in Elderly Volunteers. <i>Spine</i> , 2020, 45, E1232-E1238.	2.0	0

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55	Combination therapy with preoperative embolization and en block laminectomy using thread saw for spinous process solitary fibrous tumor: A case report. <i>Radiology Case Reports</i> , 2020, 15, 2607-2612.	0.6	0
56	Impact of pelvic obliquity on coronal alignment in patients with adolescent idiopathic scoliosis. <i>Spine Deformity</i> , 2020, 8, 1269-1278.	1.5	10
57	Effect of sagittal shape on proximal junctional kyphosis following thoracopelvic corrective fusion for adult spinal deformity: postoperative inflection vertebra cranial to T12 is a significant risk factor. <i>Spine Deformity</i> , 2020, 8, 1313-1323.	1.5	5
58	Weekly Teriparatide Versus Bisphosphonate for Bone Union During 6 Months After Multi-Level Lumbar Interbody Fusion for Osteoporotic Patients. <i>Spine</i> , 2020, 45, 863-871.	2.0	15
59	Retroperitoneal Neurofibroma and a Malignant Peripheral Nerve Sheath Tumor with Neurofibromatosis Type 1: A Report of Two Cases. <i>Spine Surgery and Related Research</i> , 2020, 4, 369-373.	0.7	3
60	Low occupancy rate of the pedicle screw in the vertebral body leads to upper instrumented vertebral fracture. <i>Scientific Reports</i> , 2020, 10, 10270.	3.3	5
61	Long additional rod constructs can reduce the incidence of rod fractures following 3-column osteotomy with pelvic fixation in short term. <i>Spine Deformity</i> , 2020, 8, 481-490.	1.5	27
62	Impact of adult spinal deformity corrective surgery in patients with the symptoms of gastroesophageal reflux disease: a 5-year follow-up report. <i>European Spine Journal</i> , 2020, 29, 860-869.	2.2	12
63	Deterioration of sagittal spinal alignment with age originates from the pelvis not the lumbar spine: a 4-year longitudinal cohort study. <i>European Spine Journal</i> , 2020, 29, 2329-2339.	2.2	10
64	Spinal Sagittal Alignment, Hospital Anxiety and Depression Scale Scores, and Patient-Reported Outcome among People with Sporting Activity. <i>Asian Spine Journal</i> , 2020, 14, 341-349.	2.0	3
65	Association between a prognostic nutritional index less than 50 and the risk of medical complications after adult spinal deformity surgery. <i>Journal of Neurosurgery: Spine</i> , 2020, 33, 219-224.	1.7	13
66	Observable Recurrence of Cervicothoracic Neurenteric Cyst after Subtotal Resection: A Case Report. <i>Spine Surgery and Related Research</i> , 2020, 4, 81-83.	0.7	0
67	Brain activation in non-human primate pain model using functional MRI. <i>Pain Research</i> , 2020, 35, 45-51.	0.1	0
68	Influence of the Sagittal Vertical Axis on the Risk of Falls in Community-Dwelling Elderly People: A Retrospective Longitudinal Study. <i>Spine Surgery and Related Research</i> , 2020, 4, 237-241.	0.7	3
69	Brain Activation in a Cynomolgus Macaque Model of Chymopapain-Induced Discogenic Low Back Pain: A Preliminary Study. <i>Spine Surgery and Related Research</i> , 2019, 3, 368-376.	0.7	4
70	The Risk of Proximal Junctional Kyphosis Decreases in Patients With Optimal Thoracic Kyphosis. <i>Spine Deformity</i> , 2019, 7, 759-770.	1.5	17
71	Rigorous Correction of Sagittal Vertical Axis Is Correlated With Better ODI Outcomes After Extensive Corrective Fusion in Elderly or Extremely Elderly Patients With Spinal Deformity. <i>Spine Deformity</i> , 2019, 7, 610-618.	1.5	18
72	Cultural Variations in the Minimum Clinically Important Difference Thresholds for SRS-22R After Surgery for Adult Spinal Deformity. <i>Spine Deformity</i> , 2019, 7, 627-632.	1.5	15

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73	Lumbar Retrolisthesis Compensates Spinal Kyphosis. <i>Spine Deformity</i> , 2019, 7, 602-609.	1.5	4
74	Minimum Clinically Important Differences in Oswestry Disability Index Domains and Their Impact on Adult Spinal Deformity Surgery. <i>Asian Spine Journal</i> , 2019, 13, 35-44.	2.0	39
75	Preoperative Age and Prognostic Nutritional Index Are Useful Factors for Evaluating Postoperative Delirium Among Patients With Adult Spinal Deformity. <i>Spine</i> , 2019, 44, 472-478.	2.0	44
76	Weekly Teriparatide Administration and Preoperative Anterior Slippage of the Cranial Vertebra Next to Fusion Segment & 2â€šmm Promote Osseous Union After Posterior Lumbar Interbody Fusion. <i>Spine</i> , 2019, 44, E288-E297.	2.0	21
77	Comparison of Postoperative Outcomes According to Compensatory Changes of the Thoracic Spine Among Patients With a T1 Slope More Than 40°. <i>Spine</i> , 2019, 44, 579-587.	2.0	4
78	Intraoperative Neuromonitoring During Adult Spinal Deformity Surgery: Alert-Positive Cases for Various Surgical Procedures. <i>Spine Deformity</i> , 2019, 7, 132-140.	1.5	9
79	The Effect of Paravertebral Muscle on the Maintenance of Upright Posture in Patients With Adult Spinal Deformity. <i>Spine Deformity</i> , 2019, 7, 125-131.	1.5	25
80	Co-existence of ossification of the nuchal ligament is associated with severity of ossification in the whole spine in patients with cervical ossification of the posterior longitudinal ligament -A multi-center CT study-. <i>Journal of Orthopaedic Science</i> , 2019, 24, 35-41.	1.1	21
81	Multi-Rod Constructs Can Increase the Incidence of Iliac Screw Loosening after Surgery for Adult Spinal Deformity. <i>Asian Spine Journal</i> , 2019, 13, 500-510.	2.0	21
82	Impact of total propofol dose during spinal surgery: anesthetic fade on transcranial motor evoked potentials. <i>Journal of Neurosurgery: Spine</i> , 2019, 30, 705-713.	1.7	20
83	Hypertension Is Related to Positive Global Sagittal Alignment: A Cross-Sectional Cohort Study. <i>Asian Spine Journal</i> , 2019, 13, 895-903.	2.0	5
84	Perioperative Complications After Surgery for Thoracic Ossification of Posterior Longitudinal Ligament. <i>Spine</i> , 2018, 43, E1389-E1397.	2.0	64
85	Treatment strategy for rod fractures following corrective fusion surgery in adult spinal deformity depends on symptoms and local alignment change. <i>Journal of Neurosurgery: Spine</i> , 2018, 29, 59-67.	1.7	30
86	Postoperative Disability After Long Corrective Fusion to the Pelvis in Elderly Patients With Spinal Deformity. <i>Spine</i> , 2018, 43, E804-E812.	2.0	17
87	Cut-off values of and factors associated with a negative influence on Neck Disability Index. <i>European Spine Journal</i> , 2018, 27, 1423-1431.	2.2	8
88	Assessment of the Change in Alignment of Fixed Segment After Adult Spinal Deformity Surgery. <i>Spine</i> , 2018, 43, 262-269.	2.0	13
89	Predicting Perioperative Complications in Adult Spinal Deformity Surgery Using a Simple Sliding Scale. <i>Spine</i> , 2018, 43, 562-570.	2.0	50
90	Age variation in the minimum clinically important difference in SRS-22r after surgical treatment for adult spinal deformity â€“ A single institution analysis in Japan. <i>Journal of Orthopaedic Science</i> , 2018, 23, 20-25.	1.1	18

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91	Effects of mirror placement on sagittal alignment of the spine during acquisition of full-spine standing X-Rays. <i>European Spine Journal</i> , 2018, 27, 442-447.	2.2	12
92	Prevalence and Distribution of Diffuse Idiopathic Skeletal Hyperostosis on Whole-spine Computed Tomography in Patients With Cervical Ossification of the Posterior Longitudinal Ligament. <i>Clinical Spine Surgery</i> , 2018, 31, E460-E465.	1.3	37
93	Distribution of ossified spinal lesions in patients with severe ossification of the posterior longitudinal ligament and prediction of ossification at each segment based on the cervical OP index classification: a multicenter study (JOSL CT study). <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 107.	1.9	26
94	The controlled study of diffuse idiopathic skeletal hyperostosis for the assessment of physical function in elderly populations. <i>Journal of Orthopaedic Science</i> , 2018, 23, 929-934.	1.1	14
95	Transcranial Motor Evoked Potential Monitoring for the Detection of Nerve Root Injury during Adult Spinal Deformity Surgery. <i>Asian Spine Journal</i> , 2018, 12, 639-647.	2.0	7
96	Discrepancy Between Standing Posture and Sagittal Balance During Walking in Adult Spinal Deformity Patients. <i>Spine</i> , 2017, 42, E25-E30.	2.0	36
97	Effect of corrective long spinal fusion to the ilium on physical function in patients with adult spinal deformity. <i>European Spine Journal</i> , 2017, 26, 2138-2145.	2.2	21
98	Extensive Corrective Fixation Surgeries for Adult Spinal Deformity Improve Posture and Lower Extremity Kinematics During Gait. <i>Spine</i> , 2017, 42, 1456-1463.	2.0	14
99	Prevalence and Risk Factors of Iliac Screw Loosening After Adult Spinal Deformity Surgery. <i>Spine</i> , 2017, 42, E1024-E1030.	2.0	43
100	Difference in Spinal Sagittal Alignment and Health-Related Quality of Life between Males and Females with Cervical Deformity. <i>Asian Spine Journal</i> , 2017, 11, 959-967.	2.0	19
101	Preoperative T1 Slope More Than 40° as a Risk Factor of Correction Loss in Patients With Adult Spinal Deformity. <i>Spine</i> , 2016, 41, E1168-E1176.	2.0	30
102	Prevalence and distribution of ossification of the supra/interspinous ligaments in symptomatic patients with cervical ossification of the posterior longitudinal ligament of the spine: a CT-based multicenter cross-sectional study. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 492.	1.9	36
103	Lumbosacral Junctional Failures After Long Spinal Fusion for Adult Spinal Deformity—Which Vertebra Is the Preferred Distal Instrumented Vertebra?. <i>Spine Deformity</i> , 2016, 4, 378-384.	1.5	49
104	The cohort study for the determination of reference values for spinopelvic parameters (T1 pelvic) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 2	2.2	63
105	Improvement of gastroesophageal reflux disease in Japanese patients with spinal kyphotic deformity who underwent surgical spinal correction. <i>Digestive Endoscopy</i> , 2016, 28, 50-58.	2.3	13
106	Relationship between Spinal Hemangioblastoma Location and Age. <i>Asian Spine Journal</i> , 2016, 10, 309.	2.0	11
107	Response to: Hypoglossal Nerve Unjury after Cervical Spine Surgery. <i>Asian Spine Journal</i> , 2015, 9, 660.	2.0	0
108	Hypoglossal Nerve Palsy as a Complication of an Anterior Approach for Cervical Spine Surgery. <i>Asian Spine Journal</i> , 2015, 9, 295.	2.0	17

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109	Optimal Timing of Preoperative Skin Preparation with Povidone-Iodine for Spine Surgery: A Prospective, Randomized Controlled Study. <i>Asian Spine Journal</i> , 2015, 9, 423.	2.0	13
110	Preoperative and Postoperative Pulmonary Function in Elderly Patients with Thoracolumbar Kyphoscoliosis. <i>Asian Spine Journal</i> , 2015, 9, 923.	2.0	0
111	Blockade of IL-6 signaling by MR16-1 inhibits reduction of docosahexaenoic acid-containing phosphatidylcholine levels in a mouse model of spinal cord injury. <i>Neuroscience</i> , 2014, 269, 1-10.	2.3	25
112	Feasibility of a novel diagnostic chart of intramedullary spinal cord tumors in magnetic resonance imaging. <i>Spinal Cord</i> , 2014, 52, 769-773.	1.9	24
113	CLP36 interacts with palladin in dorsal root ganglion neurons. <i>Neuroscience Letters</i> , 2010, 476, 53-57.	2.1	19
114	The differential expression patterns of messenger RNAs encoding Nogo-A and Nogo-receptor in the rat central nervous system. <i>Molecular Brain Research</i> , 2005, 133, 119-130.	2.3	27