

Jürgen Beck

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,008
citations

304701

22
h-index

265191

42
g-index

70
all docs

70
docs citations

70
times ranked

2432
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards an HBV cure: state-of-the-art and unresolved questions” report of the ANRS workshop on HBV cure. <i>Gut</i> , 2015, 64, 1314-1326.	12.1	234
2	Tumor-associated reactive astrocytes aid the evolution of immunosuppressive environment in glioblastoma. <i>Nature Communications</i> , 2019, 10, 2541.	12.8	218
3	Involvement of the host DNA-repair enzyme TDP2 in formation of the covalently closed circular DNA persistence reservoir of hepatitis B viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4244-53.	7.1	193
4	Deciphering the Origin and Evolution of Hepatitis B Viruses by Means of a Family of Non-enveloped Fish Viruses. <i>Cell Host and Microbe</i> , 2017, 22, 387-399.e6.	11.0	134
5	Tryptophan metabolism drives dynamic immunosuppressive myeloid states in IDH-mutant gliomas. <i>Nature Cancer</i> , 2021, 2, 723-740.	13.2	110
6	Efficient Hsp90-independent in Vitro Activation by Hsc70 and Hsp40 of Duck Hepatitis B Virus Reverse Transcriptase, an Assumed Hsp90 Client Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 36128-36138.	3.4	84
7	Formation of a Functional Hepatitis B Virus Replication Initiation Complex Involves a Major Structural Alteration in the RNA Template. <i>Molecular and Cellular Biology</i> , 1998, 18, 6265-6272.	2.3	69
8	Endovascular treatment of cerebral vasospasm after subarachnoid hemorrhage. <i>Neurology</i> , 2019, 93, e458-e466.	1.1	67
9	A SELEX-Screened Aptamer of Human Hepatitis B Virus RNA Encapsidation Signal Suppresses Viral Replication. <i>PLoS ONE</i> , 2011, 6, e27862.	2.5	64
10	Chaperones Activate Hepadnavirus Reverse Transcriptase by Transiently Exposing a C-Proximal Region in the Terminal Protein Domain That Contributes to μ RNA Binding. <i>Journal of Virology</i> , 2007, 81, 13354-13364.	3.4	56
11	Chaperone activation of the hepadnaviral reverse transcriptase for template RNA binding is established by the Hsp70 and stimulated by the Hsp90 system. <i>Nucleic Acids Research</i> , 2007, 35, 6124-6136.	14.5	54
12	Reconstitution of a Functional Duck Hepatitis B Virus Replication Initiation Complex from Separate Reverse Transcriptase Domains Expressed in <i>Escherichia coli</i> . <i>Journal of Virology</i> , 2001, 75, 7410-7419.	3.4	51
13	Sequence- and structure-specific determinants in the interaction between the RNA encapsidation signal and reverse transcriptase of avian hepatitis B viruses. <i>Journal of Virology</i> , 1997, 71, 4971-4980.	3.4	47
14	Experimental Confirmation of a Hepatitis B Virus (HBV) μ -like Bulge-and-Loop Structure in Avian HBV RNA Encapsidation Signals. <i>Virology</i> , 1997, 227, 500-504.	2.4	38
15	Human organotypic brain slice culture: a novel framework for environmental research in neuro-oncology. <i>Life Science Alliance</i> , 2019, 2, e201900305.	2.8	38
16	All-trans retinoic acid induces synaptic plasticity in human cortical neurons. <i>ELife</i> , 2021, 10, .	6.0	36
17	Insights into the natural history of spontaneous intracranial hypotension from infusion testing. <i>Neurology</i> , 2020, 95, e247-e255.	1.1	33
18	SELEX-derived aptamers of the duck hepatitis B virus RNA encapsidation signal distinguish critical and non-critical residues for productive initiation of reverse transcription. <i>Nucleic Acids Research</i> , 2004, 32, 4377-4389.	14.5	31

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19	dNTP versus NTP discrimination by phenylalanine 451 in duck hepatitis B virus P protein indicates a common structure of the dNTP-binding pocket with other reverse transcriptases. <i>Nucleic Acids Research</i> , 2002, 30, 1679-1687.	14.5	29
20	Feasibility and Safety of Repeat Instant Endovascular Interventions in Patients with Refractory Cerebral Vasospasms. <i>American Journal of Neuroradiology</i> , 2017, 38, 561-567.	2.4	29
21	Astrogliosis Releases Pro-Oncogenic Chitinase 3-Like 1 Causing MAPK Signaling in Glioblastoma. <i>Cancers</i> , 2019, 11, 1437.	3.7	28
22	Outcome after surgical treatment of cerebrospinal fluid leaks in spontaneous intracranial hypotensionâ€”a matter of time. <i>Journal of Neurology</i> , 2022, 269, 1439-1446.	3.6	27
23	A Small 2â€²-OH- and Base-dependent Recognition Element Downstream of the Initiation Site in the RNA Encapsidation Signal Is Essential for Hepatitis B Virus Replication Initiation. <i>Journal of Biological Chemistry</i> , 1999, 274, 37787-37794.	3.4	23
24	Hemangioblastoma and von Hippel-Lindau disease: genetic background, spectrum of disease, and neurosurgical treatment. <i>Child's Nervous System</i> , 2020, 36, 2537-2552.	1.1	23
25	A Tyr Residue in the Reverse Transcriptase Domain Can Mimic the Protein-Priming Tyr Residue in the Terminal Protein Domain of a Hepadnavirus P Protein. <i>Journal of Virology</i> , 2011, 85, 7742-7753.	3.4	21
26	A sensitive procedure for mapping the boundaries of RNA elements binding in vitro translated proteins defines a minimal hepatitis B virus encapsidation signal. <i>Nucleic Acids Research</i> , 1996, 24, 4364-4366.	14.5	20
27	Neuropathological interpretation of stimulated Raman histology images of brain and spine tumors: part B. <i>Neurosurgical Review</i> , 2022, 45, 1721-1729.	2.4	15
28	The PRESSURE score to predict decompressive craniectomy after aneurysmal subarachnoid haemorrhage. <i>Brain Communications</i> , 2020, 2, fcaa134.	3.3	14
29	SVM-Based Normal Pressure Hydrocephalus Detection. <i>Clinical Neuroradiology</i> , 2021, 31, 1029-1035.	1.9	14
30	Calcium modeling of spine apparatus-containing human dendritic spines demonstrates an â€œall-or-nothingâ€•communication switch between the spine head and dendrite. <i>PLoS Computational Biology</i> , 2022, 18, e1010069.	3.2	14
31	Oligodendrocyte lineage and myelination are compromised in the gray matter of focal cortical dysplasia type IIa. <i>Epilepsia</i> , 2020, 61, 171-184.	5.1	13
32	Impact of primary medical or surgical therapy on prolactinoma patientsâ€™ BMI and metabolic profile over the long-term. <i>Journal of Clinical and Translational Endocrinology</i> , 2021, 24, 100258.	1.4	13
33	Spontaneous Intracranial Hypotension Without CSF Leakageâ€”Concept of a Pathological Cranial to Spinal Fluid Shift. <i>Frontiers in Neurology</i> , 2021, 12, 760081.	2.4	13
34	Normal Age- and Sex-Related Values of the Optic Nerve Sheath Diameter and Its Dependency on Position and Positive End-Expiratory Pressure. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 3279-3285.	1.5	12
35	Stimulated Raman histology in the neurosurgical workflow of a major European neurosurgical center â€” part A. <i>Neurosurgical Review</i> , 2022, 45, 1731-1739.	2.4	12
36	Resection of recurrent glioblastoma multiforme in elderly patients: a pseudo-randomized analysis revealed clinical benefit. <i>Journal of Neuro-Oncology</i> , 2020, 146, 381-387.	2.9	11

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37	Persistent bone impairment despite long-term control of hyperprolactinemia and hypogonadism in men and women with prolactinomas. <i>Scientific Reports</i> , 2021, 11, 5122.	3.3	11
38	Lateral one-third gland resection in Cushing patients with failed adenoma identification leads to low remission rates: long-term observations from a small, single-center cohort. <i>Acta Neurochirurgica</i> , 2021, 163, 3161-3169.	1.7	11
39	Conservation of the HBV RNA element epsilon in nakednaviruses reveals ancient origin of protein-primed reverse transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	10
40	Herniation World Federation of Neurosurgical Societies Scale Improves Prediction of Outcome in Patients With Poor-Grade Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2022, 53, 2346-2351.	2.0	10
41	Monro-Kellie Hypothesis: Increase of Ventricular CSF Volume after Surgical Closure of a Spinal Dural Leak in Patients with Spontaneous Intracranial Hypotension. <i>American Journal of Neuroradiology</i> , 2020, 41, 2055-2061.	2.4	9
42	Impact of Stereotactic Ventriculocisternostomy on Delayed Cerebral Infarction and Outcome After Subarachnoid Hemorrhage. <i>Stroke</i> , 2020, 51, 431-439.	2.0	8
43	Inhaled Nitric Oxide Treatment for Aneurysmal SAH Patients With Delayed Cerebral Ischemia. <i>Frontiers in Neurology</i> , 2022, 13, 817072.	2.4	6
44	SPectroscOPic prediction of bRain Tumours (SPORT): study protocol of a prospective imaging trial. <i>BMC Medical Imaging</i> , 2020, 20, 123.	2.7	5
45	Metabolic alterations in meningioma reflect the clinical course. <i>BMC Cancer</i> , 2021, 21, 211.	2.6	5
46	Granule cell dispersion in two mouse models of temporal lobe epilepsy and reeler mice is associated with changes in dendritic orientation and spine distribution. <i>Hippocampus</i> , 2022, 32, 517-528.	1.9	5
47	Few basepairing-independent motifs in the apical half of the avian HBV $\hat{\mu}$ RNA stem-loop determine site-specific initiation of protein-priming. <i>Scientific Reports</i> , 2017, 7, 7120.	3.3	4
48	Support Vector Machine-based Spontaneous Intracranial Hypotension Detection on Brain MRI. <i>Clinical Neuroradiology</i> , 2022, 32, 225-230.	1.9	4
49	Diffusion tensor imaging in unclear intramedullary tumor-suspected lesions allows separating tumors from inflammation. <i>Spinal Cord</i> , 2022, 60, 655-663.	1.9	4
50	In Vitro Reconstitution of $\hat{\mu}$ -Dependent Duck Hepatitis B Virus Replication Initiation. , 2004, 95, 315-326.		3
51	How Safe Is Minimally Invasive Transforaminal Lumbar Interbody Fusion for Octogenarians?: A Perioperative Complication Analysis. <i>World Neurosurgery</i> , 2020, 139, e754-e760.	1.3	3
52	Can UVA-light-activated riboflavin-induced collagen crosslinking be transferred from ophthalmology to spine surgery? A feasibility study on bovine intervertebral disc. <i>PLoS ONE</i> , 2021, 16, e0252672.	2.5	3
53	The $\hat{\mu}$ hyperdense basivertebral vein $\hat{\mu}$ sign: another marker of a CSF-venous fistula. <i>Neuroradiology</i> , 2022, 64, 627-630.	2.2	3
54	Cisternal lavage via third ventriculostomy through the fenestrated lamina terminalis after aneurysm clipping: Technical note. <i>Journal of Clinical Neuroscience</i> , 2019, 64, 283-286.	1.5	2

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55	Characterization of longitudinal transformation of T2-hyperintensity in oligodendroglioma. <i>BMC Cancer</i> , 2020, 20, 818.	2.6	2
56	Infrared attenuated total reflection spectroscopic surface analysis of bovine tail intervertebral discs after UV light-activated riboflavin-induced collagen crosslinking. <i>Journal of Biophotonics</i> , 2020, 13, e202000110.	2.3	2
57	Stereotactic cisternal lavage in patients with aneurysmal subarachnoid hemorrhage with urokinase and nimodipine for the prevention of secondary brain injury (SPLASH): study protocol for a randomized controlled trial. <i>Trials</i> , 2021, 22, 285.	1.6	2
58	Letter to the Editor From Lukas Andereggen: "Pitfalls in Performing and Interpreting Inferior Petrosal Sinus Sampling: Personal Experience and Literature Review". <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e3283-e3284.	3.6	2
59	Autologous platelet-rich fibrin (PRF) augmentation as an add-on therapy in deep surgical site infections (dSSIs) after instrumented spinal surgery: preliminary results of a single institution case series. <i>Acta Neurochirurgica</i> , 2021, 163, 2761-2767.	1.7	2
60	Ultrasound Perfusion Imaging for the Detection of Cerebral Hypoperfusion After Aneurysmal Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2022, 37, 149-159.	2.4	2
61	Minimally invasive posterior paramedullary approach to the anterior craniocervical junction for intradural lesions using a non-expandable tubular retractor. <i>Clinical Neurology and Neurosurgery</i> , 2020, 197, 106189.	1.4	1
62	Patterns of intracerebral hemorrhage that result in unfavorable outcomes in patients with subarachnoid hemorrhage. <i>Clinical Neurology and Neurosurgery</i> , 2021, 205, 106603.	1.4	0
63	The Impact of Implementing a Radiation-Sparing Protocol for Percutaneous Kyphoplasty" A Prospective Dosemetric Study. <i>Global Spine Journal</i> , 2021, , 219256822110394.	2.3	0
64	Introduction of cisternal lavage leads to avoidance of induced hypertension and reduced cardiovascular complications in patients with subarachnoid hemorrhage. <i>Journal of Clinical Neuroscience</i> , 2021, 94, 286-291.	1.5	0
65	Basic Surveillance Parameters Improve the Prediction of Delayed Cerebral Infarction After Aneurysmal Subarachnoid Hemorrhage. <i>Frontiers in Neurology</i> , 2022, 13, 774720.	2.4	0
66	Relaxing the restricted structural dynamics in the human hepatitis B virus RNA encapsidation signal enables replication initiation in vitro. <i>PLoS Pathogens</i> , 2022, 18, e1010362.	4.7	0