

Isabelle Rivals

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/84996/publications.pdf>

Version: 2024-02-01

63
papers

2,021
citations

346980

22
h-index

286692

43
g-index

64
all docs

64
docs citations

64
times ranked

4408
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability of B-mode ultrasound and shear wave elastography in evaluating sacral bone and soft tissue characteristics in young adults with clinical feasibility in elderly. <i>Journal of Tissue Viability</i> , 2022, 31, 245-254.	0.9	3
2	DNA Methylation at ATP11A cg11702988 Is a Biomarker of Lung Disease Severity in Cystic Fibrosis: A Longitudinal Study. <i>Genes</i> , 2021, 12, 441.	1.0	3
3	Evaluation of distance-based approaches for forensic comparison: Application to hand odor evidence. <i>Journal of Forensic Sciences</i> , 2021, 66, 2208-2217.	0.9	1
4	Biplanar Low-Dose Radiograph Is Suitable for Cephalometric Analysis in Patients Requiring 3D Evaluation of the Whole Skeleton. <i>Journal of Clinical Medicine</i> , 2021, 10, 5477.	1.0	2
5	Abnormal Activity of Neck Inspiratory Muscles during Sleep as a Prognostic Indicator in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 414-422.	2.5	15
6	Is a simplified Finite Element model of the gluteus region able to capture the mechanical response of the internal soft tissues under compression?. <i>Clinical Biomechanics</i> , 2020, 71, 92-100.	0.5	9
7	Evening sock marks as an adjunct to the clinical prediction of obstructive sleep apnea. <i>Sleep and Breathing</i> , 2020, 24, 1365-1371.	0.9	3
8	Ultrafast ultrasound coupled with cervical magnetic stimulation for non-invasive and non-volitional assessment of diaphragm contractility. <i>Journal of Physiology</i> , 2020, 598, 5627-5638.	1.3	5
9	Decreased respiratory-related postural perturbations at the cervical level under cognitive load. <i>European Journal of Applied Physiology</i> , 2020, 120, 1063-1074.	1.2	5
10	Ultrafast ultrasound imaging pattern analysis reveals distinctive dynamic brain states and potent sub-network alterations in arthritic animals. <i>Scientific Reports</i> , 2020, 10, 10485.	1.6	16
11	Implanted Phrenic Stimulation Impairs Local Diaphragm Myofiber Reinnervation in Amyotrophic Lateral Sclerosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 1183-1187.	2.5	3
12	Compensation of Respiratory-Related Postural Perturbation Is Achieved by Maintenance of Head-to-Pelvis Alignment in Healthy Humans. <i>Frontiers in Physiology</i> , 2019, 10, 441.	1.3	13
13	Mandibular advancement reveals long-term suppression of breathing discomfort in patients with obstructive sleep apnea syndrome. <i>Respiratory Physiology and Neurobiology</i> , 2019, 263, 47-54.	0.7	6
14	Etiology and prognosis of acute respiratory failure in patients with primary malignant brain tumors admitted to the intensive care unit. <i>Journal of Neuro-Oncology</i> , 2019, 142, 139-148.	1.4	3
15	Human diaphragm atrophy in amyotrophic lateral sclerosis is not predicted by routine respiratory measures. <i>European Respiratory Journal</i> , 2019, 53, 1801749.	3.1	14
16	UHPLC method for multiproduct pharmaceutical analysis by Quality-by-Design. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 148, 361-368.	1.4	26
17	Human odor and forensics. Optimization of a comprehensive two-dimensional gas chromatography method based on orthogonality: How not to choose between criteria. <i>Journal of Chromatography A</i> , 2018, 1536, 58-66.	1.8	18
18	Human odor and forensics: Towards Bayesian suspect identification using GC-MS characterization of hand odor. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1092, 379-385.	1.2	10

#	ARTICLE	IF	CITATIONS
19	Dynamic changes of DNA methylation and lung disease in cystic fibrosis: lessons from a monogenic disease. <i>Epigenomics</i> , 2018, 10, 1131-1145.	1.0	18
20	Origin, Analytical Characterization, and Use of Human Odor in Forensics. <i>Journal of Forensic Sciences</i> , 2017, 62, 330-350.	0.9	23
21	Relieving dyspnoea by non-invasive ventilation decreases pain thresholds in amyotrophic lateral sclerosis. <i>Thorax</i> , 2017, 72, 230-235.	2.7	16
22	DNA methylation at modifier genes of lung disease severity is altered in cystic fibrosis. <i>Clinical Epigenetics</i> , 2017, 9, 19.	1.8	29
23	Prognosis of patients with primary malignant brain tumors admitted to the intensive care unit: a two-decade experience. <i>Journal of Neurology</i> , 2017, 264, 2303-2312.	1.8	12
24	New insight in spiral drawing analysis methods – Application to action tremor quantification. <i>Clinical Neurophysiology</i> , 2017, 128, 1823-1834.	0.7	28
25	Sampling method development and optimization in view of human hand odor analysis by thermal desorption coupled with gas chromatography and mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5113-5124.	1.9	6
26	Measuring Ventilatory Activity with Structured Light Plethysmography (SLP) Reduces Instrumental Observer Effect and Preserves Tidal Breathing Variability in Healthy and COPD. <i>Frontiers in Physiology</i> , 2017, 8, 316.	1.3	18
27	Supercritical Fluid Chromatography of Drugs: Parallel Factor Analysis for Column Testing in a Wide Range of Operational Conditions. <i>Journal of Analytical Methods in Chemistry</i> , 2017, 2017, 1-13.	0.7	7
28	Desogestrel enhances ventilation in on-line patients: Animal data involving serotonergic systems. <i>Neuropharmacology</i> , 2016, 107, 339-350.	2.0	22
29	Development of a capillary electrophoresis method for the analysis in alkaline media as polyoxoanions of two strategic metals: Niobium and tantalum. <i>Journal of Chromatography A</i> , 2016, 1437, 210-218.	1.8	14
30	Cortical Drive to Breathe during Wakefulness in Patients with Obstructive Sleep Apnea Syndrome. <i>Sleep</i> , 2015, 38, 1743-1749.	0.6	36
31	Molecular Mechanisms Underlying the Enhanced Analgesic Effect of Oxycodone Compared to Morphine in Chemotherapy-Induced Neuropathic Pain. <i>PLoS ONE</i> , 2014, 9, e91297.	1.1	43
32	A balance between activating and repressive histone modifications regulates cystic fibrosis transmembrane conductance regulator (CFTR) expression in vivo. <i>Epigenetics</i> , 2014, 9, 1007-1017.	1.3	13
33	<i>In vivo</i> ¹ H MRS study in microlitre voxels in the hippocampus of a mouse model of Down syndrome at 11.7%T. <i>NMR in Biomedicine</i> , 2014, 27, 1143-1150.	1.6	15
34	New insights in gill/buccal rhythm spiking activity and CO ₂ sensitivity in pre- and postmetamorphic tadpoles (<i>Pelophylax ridibundus</i>). <i>Respiratory Physiology and Neurobiology</i> , 2014, 191, 26-37.	0.7	8
35	Ceramides and sphingomyelinases in senile plaques. <i>Neurobiology of Disease</i> , 2014, 65, 193-201.	2.1	49
36	An experimental design based strategy to optimize a capillary electrophoresis method for the separation of 19 polycyclic aromatic hydrocarbons. <i>Analytica Chimica Acta</i> , 2014, 820, 195-204.	2.6	14

#	ARTICLE	IF	CITATIONS
37	Structural and Molecular Alterations of Primary Afferent Fibres in the Spinal Dorsal Horn in Vincristine-Induced Neuropathy in Rat. <i>Journal of Molecular Neuroscience</i> , 2013, 51, 880-892.	1.1	19
38	A semi-automated computer tool for the analysis of retinal vessel diameter dynamics. <i>Computers in Biology and Medicine</i> , 2013, 43, 513-523.	3.9	3
39	Activation-dependent plasticity of polarized GPCR distribution on the neuronal surface. <i>Journal of Molecular Cell Biology</i> , 2013, 5, 250-265.	1.5	27
40	Purkinje Cell Maturation Participates in the Control of Oligodendrocyte Differentiation: Role of Sonic Hedgehog and Vitronectin. <i>PLoS ONE</i> , 2012, 7, e49015.	1.1	26
41	Functional Genomics and Molecular Networks Gene Expression Regulations in Complex Diseases: Down Syndrome as a Case Study. , 2012, , 1-22.		0
42	Cortical effect of oxaliplatin associated with sustained neuropathic pain: Exacerbation of cortical activity and down-regulation of potassium channel expression in somatosensory cortex. <i>Pain</i> , 2012, 153, 1636-1647.	2.0	26
43	Trisomy for Synaptojanin1 in Down syndrome is functionally linked to the enlargement of early endosomes. <i>Human Molecular Genetics</i> , 2012, 21, 3156-3172.	1.4	92
44	Impact of the probe solutes set on orthogonality evaluation in reverse phase chromatographic systems. <i>Journal of Chromatography A</i> , 2012, 1232, 231-241.	1.8	8
45	Molecular Signatures of Cardiac Defects in Down Syndrome Lymphoblastoid Cell Lines Suggest Altered Ciliome and Hedgehog Pathways. <i>PLoS ONE</i> , 2012, 7, e41616.	1.1	32
46	The discriminant pixel approach: A new tool for the rational interpretation of GCxGC-MS chromatograms. <i>Talanta</i> , 2011, 83, 1295-1301.	2.9	18
47	Heterochromatic Genes Undergo Epigenetic Changes and Escape Silencing in Immunodeficiency, Centromeric Instability, Facial Anomalies (ICF) Syndrome. <i>PLoS ONE</i> , 2011, 6, e19464.	1.1	30
48	Axonal Targeting of the 5-HT _{1B} Serotonin Receptor Relies on Structure-Specific Constitutive Activation. <i>Traffic</i> , 2011, 12, 1501-1520.	1.3	13
49	Masticatory muscle defects in hemifacial microsomia: A new embryological concept. <i>American Journal of Medical Genetics, Part A</i> , 2011, 155, 1991-1995.	0.7	28
50	Comparison of different statistical approaches to evaluate the orthogonality of chromatographic separations: Application to reverse phase systems. <i>Journal of Chromatography A</i> , 2011, 1218, 2963-2975.	1.8	39
51	Mutational probing of the forkhead domain of the transcription factor FOXL2 provides insights into the pathogenicity of naturally occurring mutations. <i>Human Molecular Genetics</i> , 2011, 20, 3376-3385.	1.4	21
52	Towards a functional classification of pathogenic FOXL2 mutations using transactivation reporter systems. <i>Human Molecular Genetics</i> , 2009, 18, 3324-3333.	1.4	41
53	Gene expression signature of cerebellar hypoplasia in a mouse model of Down syndrome during postnatal development. <i>BMC Genomics</i> , 2009, 10, 138.	1.2	50
54	Linear regression models and neural networks for the fast emulation of a molecular absorption code. <i>Applied Optics</i> , 2009, 48, 6770.	2.1	0

#	ARTICLE	IF	CITATIONS
55	Green Tea Polyphenols Rescue of Brain Defects Induced by Overexpression of DYRK1A. PLoS ONE, 2009, 4, e4606.	1.1	185
56	Increased Dosage of <i>DYRK1A</i> and Brain Volumetric Alterations in a YAC Model of Partial Trisomy 21. Anatomical Record, 2008, 291, 254-262.	0.8	21
57	<i>BACE</i> Hypomethylation, A New Epigenetic Biomarker for Colon Cancer Detection. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 1374-1379.	1.1	25
58	Enrichment or depletion of a GO category within a class of genes: which test?. Bioinformatics, 2007, 23, 401-407.	1.8	630
59	Detecting fluorescent protein expression and co-localisation on single secretory vesicles with linear spectral unmixing. European Biophysics Journal, 2006, 35, 533-547.	1.2	37
60	A statistical method for the prediction of the loop tack and the peel of PSAs from probe test measurements. Measurement Science and Technology, 2005, 16, 2020-2029.	1.4	4
61	Jacobian Conditioning Analysis for Model Validation. Neural Computation, 2004, 16, 401-418.	1.3	7
62	On Cross Validation for Model Selection. Neural Computation, 1999, 11, 863-870.	1.3	72
63	A recursive algorithm based on the extended Kalman filter for the training of feedforward neural models. Neurocomputing, 1998, 20, 279-294.	3.5	41