

Florian Frommlet

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

1,683
citations

331670

21
h-index

330143

37
g-index

99
all docs

99
docs citations

99
times ranked

2568
citing authors

#	ARTICLE	IF	CITATIONS
1	Intraoperative extracorporeal membrane oxygenation and the possibility of postoperative prolongation improve survival in bilateral lung transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 2193-2206.e3.	0.8	167
2	The EuroChimerism concept for a standardized approach to chimerism analysis after allogeneic stem cell transplantation. <i>Leukemia</i> , 2012, 26, 1821-1828.	7.2	83
3	Twenty-year experience with extracorporeal life support as bridge to lung transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 2515-2525.e10.	0.8	82
4	Platelets are mitogenic for periosteum-derived cells. <i>Journal of Orthopaedic Research</i> , 2003, 21, 941-948.	2.3	73
5	Asymptotic Bayes-optimality under sparsity of some multiple testing procedures. <i>Annals of Statistics</i> , 2011, 39, .	2.6	61
6	Lineage-specific chimaerism after stem cell transplantation in children following reduced intensity conditioning: potential predictive value of NK cell chimaerism for late graft rejection. <i>Leukemia</i> , 2003, 17, 1934-1942.	7.2	57
7	Efficacy and safety of 4 months of sublingual immunotherapy with recombinant Mal d 1 and Bet v 1 in patients with birch pollen-related apple allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1002-1008.	2.9	56
8	Fokker-Planck Equations as Scaling Limits of Reversible Quantum Systems. <i>Journal of Statistical Physics</i> , 2000, 100, 543-601.	1.2	53
9	Challenging a dogma - Surgery yields superior long-term results for T1a squamous cell carcinoma of the glottic larynx compared to radiotherapy. <i>European Journal of Surgical Oncology</i> , 2008, 34, 692-698.	1.0	52
10	On Locating Multiple Interacting Quantitative Trait Loci in Intercross Designs. <i>Genetics</i> , 2006, 173, 1693-1703.	2.9	46
11	Peripheral nerve transfers change target muscle structure and function. <i>Science Advances</i> , 2019, 5, eaau2956.	10.3	46
12	Pre-emptive treatment of CMV DNAemia in paediatric stem cell transplantation: the impact of recipient and donor CMV serostatus on the incidence of CMV disease and CMV-related mortality. <i>Bone Marrow Transplantation</i> , 2003, 31, 803-808.	2.4	40
13	An Adaptive Ridge Procedure for L0 Regularization. <i>PLoS ONE</i> , 2016, 11, e0148620.	2.5	40
14	Motility-related protein-1/CD9 expression in head and neck squamous cell carcinoma. <i>Head and Neck</i> , 2003, 25, 848-857.	2.0	38
15	APRIL limits atherosclerosis by binding to heparan sulfate proteoglycans. <i>Nature</i> , 2021, 597, 92-96.	27.8	38
16	Effects of mydriatics on intraocular pressure and pupil size in the normal feline eye. <i>Veterinary Ophthalmology</i> , 2006, 9, 233-237.	1.0	36
17	The prevalence of hypertension, obesity and dyslipidemia in individuals of over 30 years of age belonging to minorities from the pasture area of Xinjiang. <i>BMC Public Health</i> , 2010, 10, 91.	2.9	35
18	The end of submacular surgery for age-related macular degeneration? A meta-analysis. <i>Graefes' Archive for Clinical and Experimental Ophthalmology</i> , 2007, 245, 490-501.	1.9	28

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19	Modified versions of Bayesian Information Criterion for genome-wide association studies. <i>Computational Statistics and Data Analysis</i> , 2012, 56, 1038-1051.	1.2	28
20	GWAS with Heterogeneous Data: Estimating the Fraction of Phenotypic Variation Mediated by Gene Expression Data. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3059-3068.	1.8	28
21	A Wignerfunction Approach to Phonon Scattering. <i>VLSI Design</i> , 1999, 9, 339-350.	0.5	26
22	Evaluation of Biological Variance of Cystatin C in Comparison With Other Endogenous Markers of Glomerular Filtration Rate in Healthy Dogs. <i>Journal of Veterinary Internal Medicine</i> , 2007, 21, 936-942.	1.6	25
23	Bayesian and frequentist analysis of an Austrian genome-wide association study of colorectal cancer and advanced adenomas. <i>Oncotarget</i> , 2017, 8, 98623-98634.	1.8	23
24	Risk-Adjusted Outcome Measurement in Pediatric Allogeneic Stem Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2008, 14, 335-343.	2.0	22
25	Extending the Modified Bayesian Information Criterion (mBIC) to Dense Markers and Multiple Interval Mapping. <i>Biometrics</i> , 2008, 64, 1162-1169.	1.4	21
26	Younger birth cohort correlates with higher breast and ovarian cancer risk in European BRCA1 mutation carriers. <i>Human Mutation</i> , 2005, 26, 583-589.	2.5	20
27	Quantitative monitoring of cell clones carrying point mutations in the BCR-ABL tyrosine kinase domain by ligation-dependent polymerase chain reaction (LD-PCR). <i>Leukemia</i> , 2008, 22, 1956-1961.	7.2	19
28	Analyzing Genome-Wide Association Studies with an FDR Controlling Modification of the Bayesian Information Criterion. <i>PLoS ONE</i> , 2014, 9, e103322.	2.5	18
29	Sex estimation using the femur of Austrians born in the 19th to the middle of the 20th century. <i>Anthropologischer Anzeiger</i> , 2015, 72, 117-127.	0.4	18
30	Novel Tenascin-C Haplotype Modifies the Risk for a Failure to Heal After Rotator Cuff Repair. <i>American Journal of Sports Medicine</i> , 2017, 45, 2955-2964.	4.2	18
31	3D Models in the Diagnosis of Subglottic Airway Stenosis. <i>Annals of Thoracic Surgery</i> , 2019, 107, 1860-1865.	1.3	18
32	Tag SNP selection based on clustering according to dominant sets found using replicator dynamics. <i>Advances in Data Analysis and Classification</i> , 2010, 4, 65-83.	1.4	16
33	Multi-omics profiling predicts allograft function after lung transplantation. <i>European Respiratory Journal</i> , 2022, 59, 2003292.	6.7	16
34	Circadian and seasonal variability and influence of sex and race on eight clinical chemistry parameters in budgerigars (<i>Melopsittacus undulatus</i> , Shaw 1805). <i>Research in Veterinary Science</i> , 2005, 78, 85-91.	1.9	15
35	Multivariate Model of the Intersubject Variability of the Retinal Nerve Fiber Layer Thickness in Healthy Subjects. , 2015, 56, 5290.		15
36	Improving reproducibility in animal research. <i>Scientific Reports</i> , 2020, 10, 19239.	3.3	14

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37	Evaluation of Biological Variance of Cystatin C in Comparison With Other Endogenous Markers of Glomerular Filtration Rate in Healthy Dogs. <i>Journal of Veterinary Internal Medicine</i> , 2007, 21, 936.	1.6	14
38	Circulating myeloid colony-forming cells predict survival in myelodysplastic syndromes. <i>Annals of Hematology</i> , 2003, 82, 271-277.	1.8	13
39	Fallback tests for coâ€primary endpoints. <i>Statistics in Medicine</i> , 2016, 35, 2669-2686.	1.6	13
40	Experimental replications in animal trials. <i>Laboratory Animals</i> , 2021, 55, 65-75.	1.0	13
41	Anti-Neuronal IgG4 Autoimmune Diseases and IgG4-Related Diseases May Not Be Part of the Same Spectrum: A Comparative Study. <i>Frontiers in Immunology</i> , 2021, 12, 785247.	4.8	13
42	Copositivity cuts for improving SDP bounds on the clique number. <i>Mathematical Programming</i> , 2010, 124, 13-32.	2.4	12
43	Differentiation of nonalcoholic from alcoholic steatohepatitis: are routine laboratory markers useful?. <i>Wiener Klinische Wochenschrift</i> , 2008, 120, 25-30.	1.9	11
44	MH2c: Characterization of major histocompatibility Î±-helices â€“ an information criterion approach. <i>Computer Physics Communications</i> , 2012, 183, 1481-1490.	7.5	11
45	Phenotypes and Genotypes. <i>Computational Biology</i> , 2016, , .	0.2	11
46	Joint genotypeâ€and ancestryâ€based genomeâ€wide association studies in admixed populations. <i>Genetic Epidemiology</i> , 2017, 41, 555-566.	1.3	11
47	Lungs from polytrauma donors with significant chest trauma can be safely used for transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, 1719-1731.e2.	0.8	11
48	On the significance of sequence alignments when using multiple scoring matrices. <i>Bioinformatics</i> , 2004, 20, 881-887.	4.1	10
49	Cardiovascular events associate with diabetes status rather than with early basal insulin treatment for the prevention of post-transplantation diabetes mellitus. <i>Nephrology Dialysis Transplantation</i> , 2020, 35, 544-546.	0.7	10
50	Donor ventilation parameters as predictors for length of mechanical ventilation after lung transplantation: Results of a prospective multicenter study. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 33-41.	0.6	9
51	Some optimality properties of FDR controlling rules under sparsity. <i>Electronic Journal of Statistics</i> , 2013, 7, .	0.7	8
52	Intravenous Fluid Challenge Decreases Intracellular Volume: A Bioimpedance Spectroscopy-Based Crossover Study in Healthy Volunteers. <i>Scientific Reports</i> , 2017, 7, 9644.	3.3	8
53	A systematic review and meta-analysis of HLAÂclassÂAll associations in patients with IgG4 autoimmunity. <i>Scientific Reports</i> , 2022, 12, .	3.3	8
54	ON ASYMPTOTIC ERROR EXPANSIONS FOR SINGULAR BOUNDARY VALUE PROBLEMS. <i>Mathematical Models and Methods in Applied Sciences</i> , 2001, 11, 71-85.	3.3	7

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55	Improved SDP bounds for minimizing quadratic functions over the ℓ^1 -ball. Optimization Letters, 2006, 1, 49-59.	1.6	7
56	Gap, cosum and product properties of the $\hat{\Delta}^2$ bound on the clique number. Optimization, 2010, 59, 1041-1051.	1.7	7
57	A Novel Algorithmic Approach to Bayesian Logic Regression (with Discussion). Bayesian Analysis, 2020, 15, .	3.0	7
58	Antibody Response and Safety After mRNA-1273 SARS-CoV-2 Vaccination in Peritoneal Dialysis Patients – the Vienna Cohort. Frontiers in Immunology, 2021, 12, 780594.	4.8	7
59	QTL Mapping Using a Memetic Algorithm with Modifications of BIC as Fitness Function. Statistical Applications in Genetics and Molecular Biology, 2012, 11, Article 2.	0.6	6
60	Month-of-birth-effect in multiple sclerosis in Austria. Multiple Sclerosis Journal, 2019, 25, 1870-1877.	3.0	6
61	Resonance frequency analysis of implants placed in condensed bone. Clinical Oral Implants Research, 2021, 32, 1200-1208.	4.5	6
62	Bioimpedance spectroscopy for fluid status assessment in patients with decompensated liver cirrhosis: Implications for peritoneal dialysis. Scientific Reports, 2020, 10, 2869.	3.3	5
63	Engagement in purposeful activities and social interactions amongst persons with dementia in special care units compared to traditional nursing homes: An observational study. Scandinavian Journal of Caring Sciences, 2021, , .	2.1	5
64	A new nomogram to predict the need for tracheostomy in burned patients. European Archives of Oto-Rhino-Laryngology, 2021, 278, 3479-3488.	1.6	5
65	Influence of outlying values and variations between sampling days on reference ranges for clinical chemistry in budgerigars (<i>Melopsittacus undulatus</i>). Veterinary Record, 2005, 156, 310-314.	0.3	4
66	Quantitative Analysis of Mutant Subclones in Chronic Myeloid Leukemia: Comparison of Different Methodological Approaches. International Journal of Molecular Sciences, 2016, 17, 642.	4.1	4
67	Implementation of a nurse-led self-management support intervention for patients with cancer-related pain: a cluster randomized phase-IV study with a stepped wedge design (EvANtiPain). BMC Cancer, 2020, 20, 559.	2.6	4
68	A volumetric prediction model for postoperative cyst shrinkage. Clinical Oral Investigations, 2021, 25, 6093-6099.	3.0	3
69	Preoperative buccal bone volume predicts long-term graft retention following augmentation in the esthetic zone: A retrospective case series. Clinical Oral Implants Research, 2022, 33, 492-500.	4.5	3
70	Statistical Methods of QTL Mapping for Experimental Populations. Computational Biology, 2016, , 73-104.	0.2	2
71	On the Dependence Structure of Sequence Alignment Scores Calculated with Multiple Scoring Matrices. Statistical Applications in Genetics and Molecular Biology, 2004, 3, 1-12.	0.6	1
72	Long-Term Effect of Half-Fluence Photodynamic Therapy on Fundus Autofluorescence in Acute Central Serous Chorioretinopathy. Journal of Ophthalmology, 2020, 2020, 1-7.	1.3	1

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73	Optical coherence tomography-measured retinal nerve fiber layer thickness values compensated with a multivariate model and discrimination between stable and progressing glaucoma suspects. Graefe's Archive for Clinical and Experimental Ophthalmology, 2022, 260, 225-233.	1.9	1
74	Some Properties of a Recently Introduced Approach to Ordinal Regression. Austrian Journal of Statistics, 2016, 39, .	0.6	1
75	Appendix C: Principles of Statistical Testing. Computational Biology, 2016, , 179-206.	0.2	1
76	Flexible Bayesian Nonlinear Model Configuration. Journal of Artificial Intelligence Research, 0, 72, 901-942.	7.0	1
77	Selecting predictive biomarkers from genomic data. PLoS ONE, 2022, 17, e0269369.	2.5	1
78	Power analysis of database search using multiple scoring matrices. Computational Statistics and Data Analysis, 2006, 51, 1656-1663.	1.2	0
79	Statistical Analysis of GWAS. Computational Biology, 2016, , 105-161.	0.2	0
80	A Primer in Genetics. Computational Biology, 2016, , 9-30.	0.2	0
81	A Functional Regression Model of the Retinal Nerve Fiber Layer Thickness in Healthy Subjects. Translational Vision Science and Technology, 2018, 7, 9.	2.2	0
82	Influence of antenatal corticosteroid lung maturation on maternal inflammatory parameters. Journal of Maternal-Fetal and Neonatal Medicine, 2020, , 1-3.	1.5	0
83	Comments on: Hierarchical inference for genome-wide association studies: a view on methodology with software by F. Frommlet and M. G. Schimek. Computational Statistics, 2020, 35, 47-49.	1.5	0
84	Parathyroid Hormone Concentrations in Maintenance Hemodialysis: Longitudinal Evaluation of Intact and Biointact Assays. Kidney Medicine, 2021, 3, 343-352.e1.	2.0	0
85	Modifications of BIC for data mining under sparsity. Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR, 2012, , 243-248.	0.1	0
86	Appendix A: Basic Statistical Distributions. Computational Biology, 2016, , 163-172.	0.2	0
87	Appendix B: Basic Methods of Estimation. Computational Biology, 2016, , 173-178.	0.2	0
88	Appendix E: Other Statistical Methods. Computational Biology, 2016, , 215-217.	0.2	0
89	Statistical Methods in High Dimensions. Computational Biology, 2016, , 31-72.	0.2	0
90	Appendix D: Elements of Bayesian Statistics. Computational Biology, 2016, , 207-213.	0.2	0