

# Rebecca A Betensky

## List of Publications by Year in descending order

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114  
papers

3,753  
citations

172457

29  
h-index

149698

56  
g-index

127  
all docs

127  
docs citations

127  
times ranked

6359  
citing authors

#	ARTICLE	IF	CITATIONS
1	Blood Kidney Injury Molecule-1 Is a Biomarker of Acute and Chronic Kidney Injury and Predicts Progression to ESRD in Type I Diabetes. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 2177-2186.	6.1	341
2	Synergistic Effect of $\beta$ -Amyloid and Neurodegeneration on Cognitive Decline in Clinically Normal Individuals. <i>JAMA Neurology</i> , 2014, 71, 1379.	9.0	273
3	Amyloid and $\text{APOE } \epsilon 4$ interact to influence short-term decline in preclinical Alzheimer disease. <i>Neurology</i> , 2014, 82, 1760-1767.	1.1	246
4	Tau induces blood vessel abnormalities and angiogenesis-related gene expression in P301L transgenic mice and human Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1289-E1298.	7.1	224
5	Influence of Unrecognized Molecular Heterogeneity on Randomized Clinical Trials. <i>Journal of Clinical Oncology</i> , 2002, 20, 2495-2499.	1.6	160
6	The Prognostic Value of Histopathologic Lesions in Native Kidney Biopsy Specimens: Results from the Boston Kidney Biopsy Cohort Study. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 2213-2224.	6.1	125
7	Soluble oligomeric amyloid- $\beta$ induces calcium dyshomeostasis that precedes synapse loss in the living mouse brain. <i>Molecular Neurodegeneration</i> , 2017, 12, 27.	10.8	120
8	The $p$ -Value Requires Context, Not a Threshold. <i>American Statistician</i> , 2019, 73, 115-117.	1.6	113
9	Fluorodeoxyglucose metabolism associated with tau-amyloid interaction predicts memory decline. <i>Annals of Neurology</i> , 2017, 81, 583-596.	5.3	110
10	APOE-related risk of mild cognitive impairment and dementia for prevention trials: An analysis of four cohorts. <i>PLoS Medicine</i> , 2017, 14, e1002254.	8.4	110
11	Anti-ApoE Antibody Given after Plaque Onset Decreases $\text{A}\beta$ Accumulation and Improves Brain Function in a Mouse Model of $\text{A}\beta$ Amyloidosis. <i>Journal of Neuroscience</i> , 2014, 34, 7281-7292.	3.6	102
12	PET staging of amyloidosis using striatum. <i>Alzheimer's and Dementia</i> , 2018, 14, 1281-1292.	0.8	93
13	Inhibition of the NFAT Pathway Alleviates Amyloid Beta Neurotoxicity in a Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2012, 32, 3176-3192.	3.6	92
14	Association of cancer and Alzheimer's disease risk in a national cohort of veterans. <i>Alzheimer's and Dementia</i> , 2017, 13, 1364-1370.	0.8	87
15	Testing Quasi-Independence of Failure and Truncation Times via Conditional Kendall's Tau. <i>Journal of the American Statistical Association</i> , 2005, 100, 484-492.	3.1	77
16	Plaque-Associated Local Toxicity Increases over the Clinical Course of Alzheimer Disease. <i>American Journal of Pathology</i> , 2016, 186, 375-384.	3.8	73
17	A local likelihood proportional hazards model for interval censored data. <i>Statistics in Medicine</i> , 2002, 21, 263-275.	1.6	54
18	Cognitive resilience in clinical and preclinical Alzheimer's disease: the Association of Amyloid and Tau Burden on cognitive performance. <i>Brain Imaging and Behavior</i> , 2017, 11, 383-390.	2.1	54

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19	A non-parametric maximum likelihood estimator for bivariate interval censored data. , 1999, 18, 3089-3100.		52
20	Defining the Lowest Threshold for Amyloid-PET to Predict Future Cognitive Decline and Amyloid Accumulation. <i>Neurology</i> , 2021, 96, e619-e631.	1.1	45
21	Immunophenotyping of pediatric brain tumors: correlating immune infiltrate with histology, mutational load, and survival and assessing clonal T cell response. <i>Journal of Neuro-Oncology</i> , 2018, 137, 269-278.	2.9	42
22	Measures of follow-up in time-to-event studies: Why provide them and what should they be?. <i>Clinical Trials</i> , 2015, 12, 403-408.	1.6	41
23	Local EM Estimation of the Hazard Function for Interval-Censored Data. <i>Biometrics</i> , 1999, 55, 238-245.	1.4	40
24	Using Conditional Logistic Regression to Fit Proportional Odds Models to Interval Censored Data. <i>Biometrics</i> , 2000, 56, 511-518.	1.4	40
25	Calcineurin inhibition with systemic FK506 treatment increases dendritic branching and dendritic spine density in healthy adult mouse brain. <i>Neuroscience Letters</i> , 2011, 487, 260-263.	2.1	40
26	Estimating the effect of emergency care on early survival after traffic crashes. <i>Accident Analysis and Prevention</i> , 2013, 60, 141-147.	5.7	39
27	Thioesterase superfamily member 1 suppresses cold thermogenesis by limiting the oxidation of lipid droplet-derived fatty acids in brown adipose tissue. <i>Molecular Metabolism</i> , 2016, 5, 340-351.	6.5	39
28	Nonparametric Estimation in a Cure Model with Random Cure Times. <i>Biometrics</i> , 2001, 57, 282-286.	1.4	37
29	Matrix metalloproteinase 9-mediated intracerebral hemorrhage induced by cerebral amyloid angiopathy. <i>Neurobiology of Aging</i> , 2015, 36, 2963-2971.	3.1	36
30	Episodic memory of odors stratifies Alzheimer biomarkers in normal elderly. <i>Annals of Neurology</i> , 2016, 80, 846-857.	5.3	36
31	Reductions in Red Blood Cell 2,3-Diphosphoglycerate Concentration during Continuous Renal Replacement Therapy. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015, 10, 74-79.	4.5	29
32	Association of anxiety with subcortical amyloidosis in cognitively normal older adults. <i>Molecular Psychiatry</i> , 2020, 25, 2599-2607.	7.9	28
33	CONDITIONAL POWER CALCULATIONS FOR EARLY ACCEPTANCE OF HO EMBEDDED IN SEQUENTIAL TESTS. , 1997, 16, 465-477.		25
34	Transformation model estimation of survival under dependent truncation and independent censoring. <i>Statistical Methods in Medical Research</i> , 2019, 28, 3785-3798.	1.5	25
35	Decreased hippocampal metabolism in high-amyloid mild cognitive impairment. <i>Alzheimer's and Dementia</i> , 2016, 12, 1288-1296.	0.8	23
36	Comparison of Urine Output among Patients Treated with More Intensive Versus Less Intensive RRT: Results from the Acute Renal Failure Trial Network Study. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016, 11, 1335-1342.	4.5	23

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37	An examination of methods for sample size recalculation during an experiment. , 1997, 16, 2587-2598.		22
38	Maximally Selected $\chi^2$ Statistics for $k \times 2$ Tables. Biometrics, 1999, 55, 317-320.	1.4	22
39	Retinal Dystrophy and Optic Nerve Pathology in the Mouse Model of Mucopolidosis IV. American Journal of Pathology, 2016, 186, 199-209.	3.8	22
40	An extension of Kendall's coefficient of concordance to bivariate interval censored data. , 1999, 18, 3101-3109.		21
41	A computationally simple test of homogeneity of odds ratios for twin data. Genetic Epidemiology, 2001, 20, 228-238.	1.3	21
42	Inverse Probability Weighted Cox Regression for Doubly Truncated Data. Biometrics, 2018, 74, 481-487.	1.4	21
43	Exploring Predictors of Response to Dacomitinib in EGFR-Amplified Recurrent Glioblastoma. JCO Precision Oncology, 2020, 4, 593-613.	3.0	21
44	Opposing Roles of apolipoprotein E in aging and neurodegeneration. Life Science Alliance, 2019, 2, e201900325.	2.8	20
45	Multiple imputation for simple estimation of the hazard function based on interval censored data. , 2000, 19, 405-419.		19
46	Recognizing the problem of delayed entry in time-to-event studies: Better late than never for clinical neuroscientists. Annals of Neurology, 2015, 78, 839-844.	5.3	19
47	The Neutrophil to Lymphocyte Ratio Is Associated With the Risk of Subsequent Dementia in the Framingham Heart Study. Frontiers in Aging Neuroscience, 2021, 13, 773984.	3.4	19
48	Sex and Race Differences in the Evaluation and Treatment of Young Adults Presenting to the Emergency Department With Chest Pain. Journal of the American Heart Association, 2022, 11, e024199.	3.7	19
49	Testing for Dependence Between Failure Time and Visit Compliance with Interval-Censored Data. Biometrics, 2002, 58, 58-63.	1.4	18
50	Integration of risk factors for Parkinson disease in 2 large longitudinal cohorts. Neurology, 2018, 90, e1646-e1653.	1.1	17
51	Linear Regression with a Randomly Censored Covariate: Application to an Alzheimer's Study. Journal of the Royal Statistical Society Series C: Applied Statistics, 2017, 66, 313-328.	1.0	16
52	Local estimation of smooth curves for longitudinal data. , 1997, 16, 2429-2445.		15
53	The Use of Frailty Hazard Models for Unrecognized Heterogeneity That Interacts with Treatment: Considerations of Efficiency and Power. Biometrics, 2002, 58, 232-236.	1.4	14
54	Neuronal calcineurin transcriptional targets parallel changes observed in Alzheimer disease brain. Journal of Neurochemistry, 2018, 147, 24-39.	3.9	14

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55	Seizure risk with repetitive TMS: Survey results from over a half-million treatment sessions. <i>Brain Stimulation</i> , 2021, 14, 965-973.	1.6	14
56	Variable importance in matched case-control studies in settings of high dimensional data. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2014, 63, 639-655.	1.0	13
57	An optimal Wilcoxon-Mann-Whitney test of mortality and a continuous outcome. <i>Statistical Methods in Medical Research</i> , 2018, 27, 2384-2400.	1.5	13
58	Inverse probability weighting methods for Cox regression with right-truncated data. <i>Biometrics</i> , 2020, 76, 484-495.	1.4	13
59	Computationally simple estimation and improved efficiency for special cases of double truncation. <i>Lifetime Data Analysis</i> , 2014, 20, 335-354.	0.9	12
60	Permutation tests for general dependent truncation. <i>Computational Statistics and Data Analysis</i> , 2018, 128, 308-324.	1.2	12
61	Maternal dementia age at onset in relation to amyloid burden in non-demented elderly offspring. <i>Neurobiology of Aging</i> , 2016, 40, 61-67.	3.1	11
62	Probing tumor microenvironment in patients with newly diagnosed glioblastoma during chemoradiation and adjuvant temozolomide with functional MRI. <i>Scientific Reports</i> , 2018, 8, 17062.	3.3	11
63	Platelet Function Is Associated With Dementia Risk in the Framingham Heart Study. <i>Journal of the American Heart Association</i> , 2022, 11, e023918.	3.7	11
64	Assumptions regarding right censoring in the presence of left truncation. <i>Statistics and Probability Letters</i> , 2014, 87, 12-17.	0.7	10
65	Clinical Pertinence Metric Enables Hypothesis-Independent Genome-Phenome Analysis for Neurologic Diagnosis. <i>Journal of Child Neurology</i> , 2015, 30, 881-888.	1.4	10
66	Approximating the Distribution of Maximally Selected McNemar's Statistics. <i>Biometrics</i> , 2000, 56, 897-902.	1.4	9
67	Eliminating bias due to censoring in Kendall's tau estimators for quasi-independence of truncation and failure. <i>Computational Statistics and Data Analysis</i> , 2014, 73, 16-26.	1.2	9
68	Biomarker validation with an imperfect reference: Issues and bounds. <i>Statistical Methods in Medical Research</i> , 2018, 27, 2933-2945.	1.5	9
69	Threshold Regression to Accommodate a Censored Covariate. <i>Biometrics</i> , 2018, 74, 1261-1270.	1.4	9
70	Alternative Derivations of a Rule for Early Stopping in Favor of $H_0$ . <i>American Statistician</i> , 2000, 54, 35-39.	1.6	8
71	Correlation among baseline variables yields non-uniformity of p-values. <i>PLoS ONE</i> , 2017, 12, e0184531.	2.5	8
72	Local Likelihood Analysis of Survival Data With Censored Intermediate Events. <i>Journal of the American Statistical Association</i> , 2001, 96, 449-457.	3.1	7

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73	Prediagnostic adult body mass index change and esophageal adenocarcinoma survival. <i>Cancer Medicine</i> , 2020, 9, 3613-3622.	2.8	7
74	Power calculations for familial aggregation studies. <i>Genetic Epidemiology</i> , 2004, 26, 316-327.	1.3	6
75	A Pairwise Naïve Bayes Approach to Bayesian Classification. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2015, 29, 1550023.	1.2	6
76	Local estimation of smooth curves for longitudinal data. <i>Statistics in Medicine</i> , 1997, 16, 2429-2445.	1.6	6
77	Predictive Value of CD19 Measurements for Bacterial Infections in Children Infected with Human Immunodeficiency Virus. <i>Vaccine Journal</i> , 1999, 6, 247-253.	2.6	6
78	A comparison of models for clustered binary outcomes: analysis of a designed immunology experiment. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2001, 50, 43-61.	1.0	5
79	Analysis of familial aggregation in the presence of varying family sizes. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2005, 54, 847-862.	1.0	5
80	The effect of hospital care on early survival after penetrating trauma. <i>Injury Epidemiology</i> , 2014, 1, 24.	1.8	5
81	Research participant compensation: A matter of statistical inference as well as ethics. <i>Contemporary Clinical Trials</i> , 2015, 45, 265-269.	1.8	5
82	Multiple imputation of a randomly censored covariate improves logistic regression analysis. <i>Journal of Applied Statistics</i> , 2016, 43, 2886-2896.	1.3	5
83	rBPI <sub>21</sub> (opebacan) promotes rapid trilineage hematopoietic recovery in a murine model of high-dose total body irradiation. <i>American Journal of Hematology</i> , 2018, 93, 1002-1013.	4.1	5
84	Displaying survival of patient groups defined by covariate paths: Extensions of the Kaplan-Meier estimator. <i>Statistics in Medicine</i> , 2021, 40, 2024-2036.	1.6	5
85	Nonparametric estimation of the survival distribution under covariate-induced dependent truncation. <i>Biometrics</i> , 2022, 78, 1390-1401.	1.4	5
86	Redistribution algorithms for censored data. <i>Statistics and Probability Letters</i> , 2000, 46, 385-389.	0.7	4
87	Optimally selected chi square statistics for equivalence testing. <i>Journal of Statistical Planning and Inference</i> , 2001, 93, 247-257.	0.6	4
88	Local likelihood analysis of the latency distribution with interval censored intermediate events. <i>Statistics in Medicine</i> , 2002, 21, 3475-3491.	1.6	4
89	A boundary crossing probability for the Bessel process. <i>Advances in Applied Probability</i> , 1998, 30, 807-830.	0.7	3
90	A boundary crossing probability for the Bessel process. <i>Advances in Applied Probability</i> , 1998, 30, 807-830.	0.7	3

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91	Statistical Considerations for Immunohistochemistry Panel Development after Gene Expression Profiling of Human Cancers. <i>Journal of Molecular Diagnostics</i> , 2005, 7, 276-282.	2.8	3
92	Hospital Volume versus Outcome: An Unusual Example of Bivariate Association. <i>Biometrics</i> , 2006, 62, 598-604.	1.4	3
93	Targeted genotyping for the prediction of celiac disease autoimmunity development in patients with type 1 diabetes and their family members. <i>World Journal of Diabetes</i> , 2019, 10, 189-199.	3.5	3
94	Wide Range of Clinical Outcomes in Patients with Gliomatosis Cerebri Growth Pattern: A Clinical, Radiographic, and Histopathologic Study. <i>Oncologist</i> , 2019, 24, 402-413.	3.7	3
95	Analysis of a molecular genetic neuro-oncology study with partially biased selection. <i>Biostatistics</i> , 2003, 4, 167-178.	1.5	2
96	Effects of unmeasured heterogeneity in the linear transformation model for censored data. <i>Lifetime Data Analysis</i> , 2006, 12, 191-203.	0.9	2
97	Time-to-event data with time-varying biomarkers measured only at study entry, with applications to Alzheimer's disease. <i>Statistics in Medicine</i> , 2018, 37, 914-932.	1.6	2
98	A computationally simple test of homogeneity of odds ratios for twin data. <i>Genetic Epidemiology</i> , 2001, 20, 228-238.	1.3	2
99	Methods to classify familial relationships in the presence of laboratory errors, without parental data. <i>Human Genetics</i> , 2006, 119, 642-648.	3.8	1
100	ICP-013: Pet Staging of Amyloidosis: Evidence that Amyloid Occurs First in Neocortex and Later in Striatum. <i>Alzheimer's and Dementia</i> , 2016, 12, P20.	0.8	1
101	Concordance measures and time-dependent ROC methods. <i>Biostatistics and Epidemiology</i> , 0, , 1-18.	0.4	1
102	An extension of Kendall's coefficient of concordance to bivariate interval censored data. <i>Statistics in Medicine</i> , 1999, 18, 3101-3109.	1.6	1
103	Tests of association under misclassification: Application to histological sampling in oncology. <i>Statistics in Medicine</i> , 2007, 26, 4808-4816.	1.6	0
104	Computationally simple analysis of matched, outcome-based studies of ordinal disease states. <i>Statistics in Medicine</i> , 2015, 34, 2514-2527.	1.6	0
105	O4-07-05: Pet Staging of Amyloidosis: Evidence that Amyloid Occurs First in Neocortex and Later in Striatum. <i>Alzheimer's and Dementia</i> , 2016, 12, P349.	0.8	0
106	Reader response: Systematic review and statistical analysis of the integrity of 33 randomized controlled trials. <i>Neurology</i> , 2018, 90, 578-578.	1.1	0
107	Serum Levels of 25-Hydroxyvitamin D at Diagnosis Are Not Associated with Overall Survival in Esophageal Adenocarcinoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 1379-1387.	2.5	0
108	Reply to Tandler et al. <i>Brain Stimulation</i> , 2021, 14, 1216-1217.	1.6	0

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109	EFFECT OF PASSIVE IMMUNOTHERAPY ON THE RATE OF PROGRESSION OF CEREBRAL AMYLOID ANGIOPATHY (CAA) IN TRANSGENIC MICE. <i>FASEB Journal</i> , 2007, 21, A73.	0.5	0
110	Prognostic value of tumor microinvasion and metalloproteinases expression in intracranial pediatric ependymomas. <i>FASEB Journal</i> , 2008, 22, 706.8.	0.5	0
111	Effect of Gelsolin on Cerebral Amyloid Angiopathy (CAA) in Transgenic Mice. <i>FASEB Journal</i> , 2008, 22, 167.9.	0.5	0
112	Transformation model based regression with dependently truncated and independently censored data. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 0, , .	1.0	0
113	Nonparametric bounds for the survivor function under general dependent truncation. <i>Scandinavian Journal of Statistics</i> , 0, , .	1.4	0
114	Nonparametric and Semiparametric Estimation with Sequentially Truncated Survival Data. <i>Biometrics</i> , 2023, 79, 1000-1013.	1.4	0