Nicholas B Larson

List of Publications by Year
in descending order

78 papers	2,140 citations	361413 20 h-index	276875 41 g-index
85 all docs	85 docs citations	85 times ranked	4962 citing authors

#	Article	IF	Citations
1	From genome-wide associations to candidate causal variants by statistical fine-mapping. Nature Reviews Genetics, 2018, 19, 491-504.	16.3	611
2	Risk SNP-Mediated Promoter-Enhancer Switching Drives Prostate Cancer through lncRNA PCAT19. Cell, 2018, 174, 564-575.e18.	28.9	264
3	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. American Journal of Human Genetics, 2019, 104, 112-138.	6.2	106
4	PurBayes: estimating tumor cellularity and subclonality in next-generation sequencing data. Bioinformatics, 2013, 29, 1888-1889.	4.1	82
5	P-selectin and subclinical and clinical atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). Atherosclerosis, 2015, 240, 3-9.	0.8	47
6	A Robust e-Epidemiology Tool in Phenotyping Heart Failure with Differentiation for Preserved and Reduced Ejection Fraction: the Electronic Medical Records and Genomics (eMERGE) Network. Journal of Cardiovascular Translational Research, 2015, 8, 475-483.	2.4	44
7	A New Frontier in Temporal Bone Imaging: Photon-Counting Detector CT Demonstrates Superior Visualization of Critical Anatomic Structures at Reduced Radiation Dose. American Journal of Neuroradiology, 2022, 43, 579-584.	2.4	43
8	Improvement in Cardiovascular Risk Prediction with Electronic Health Records. Journal of Cardiovascular Translational Research, 2016, 9, 214-222.	2.4	38
9	Comprehensively Evaluating cis -Regulatory Variation in the Human Prostate Transcriptome by Using Gene-Level Allele-Specific Expression. American Journal of Human Genetics, 2015, 96, 869-882.	6.2	37
10	Cohort Profile: The Right Drug, Right Dose, Right Time: Using Genomic Data to Individualize Treatment Protocol (RIGHT Protocol). International Journal of Epidemiology, 2020, 49, 23-24k.	1.9	34
11	Kernel canonical correlation analysis for assessing gene–gene interactions and application to ovarian cancer. European Journal of Human Genetics, 2014, 22, 126-131.	2.8	33
12	Hepatocyte Growth Factor Is Positively Associated With Risk of Stroke. Stroke, 2016, 47, 2689-2694.	2.0	33
13	Atherosclerotic Cardiovascular Disease Risk Stratification Based on Measurements of Troponin and Coronary Artery Calcium. Journal of the American College of Cardiology, 2020, 76, 357-370.	2.8	32
14	FIRE: functional inference of genetic variants that regulate gene expression. Bioinformatics, 2017, 33, 3895-3901.	4.1	30
15	ABO blood group associations with markers of endothelial dysfunction in the Multi-Ethnic Study of Atherosclerosis. Atherosclerosis, 2016, 251, 422-429.	0.8	28
16	Hepatocyte growth factor is associated with progression of atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). Atherosclerosis, 2018, 272, 162-167.	0.8	28
17	Implementation of preemptive DNA sequence–based pharmacogenomics testing across a large academic medical center: The Mayo-Baylor RIGHT 10K Study. Genetics in Medicine, 2022, 24, 1062-1072.	2.4	28
18	Association of mitochondrial DNA copy number with cardiometabolic diseases. Cell Genomics, 2021, 1, 100006.	6.5	26

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19	A review of kernel methods for genetic association studies. Genetic Epidemiology, 2019, 43, 122-136.	1.3	24
20	Hepatocyte growth factor demonstrates racial heterogeneity as a biomarker for coronary heart disease. Heart, 2017, 103, 1185-1193.	2.9	23
21	Soluble P-selectin predicts lower extremity peripheral artery disease incidence and change in the ankle brachial index: The Multi-Ethnic Study of Atherosclerosis (MESA). Atherosclerosis, 2015, 239, 405-411.	0.8	22
22	CYP2D6 phenotypes are associated with adverse outcomes related to opioid medications. Pharmacogenomics and Personalized Medicine, 2017, Volume 10, 217-227.	0.7	22
23	Quantitative Knee Arthrography in a Large Animal Model of Osteoarthritis Using Photon-Counting Detector CT. Investigative Radiology, 2020, 55, 349-356.	6.2	22
24	Circulating level of hepatocyte growth factor predicts incidence of type 2 diabetes mellitus: The Multi-Ethnic Study of Atherosclerosis (MESA). Metabolism: Clinical and Experimental, 2016, 65, 64-72.	3.4	21
25	A Kernel Regression Approach to Gene–Gene Interaction Detection for Case–Control Studies. Genetic Epidemiology, 2013, 37, 695-703.	1.3	20
26	A favorable cardiometabolic profile is associated with the G allele of the genetic variant rs5068 in African Americans: The Multi-Ethnic Study of Atherosclerosis (MESA). PLoS ONE, 2017, 12, e0189858.	2.5	20
27	CpGtools: a python package for DNA methylation analysis. Bioinformatics, 2021, 37, 1598-1599.	4.1	19
28	Molecular signatures of X chromosome inactivation and associations with clinical outcomes in epithelial ovarian cancer. Human Molecular Genetics, 2019, 28, 1331-1342.	2.9	19
29	Malignant Outcomes of Architectural Distortion on Tomosynthesis: A Systematic Review and Meta-Analysis. American Journal of Roentgenology, 2021, 217, 295-303.	2.2	19
30	<p>Sex Differences in Associations Between CYP2D6 Phenotypes and Response to Opioid Analgesics</p>. Pharmacogenomics and Personalized Medicine, 2020, Volume 13, 71-79.	0.7	18
31	Prevention of Allergic-like Reactions at Repeat CT: Steroid Pretreatment versus Contrast Material Substitution. Radiology, 2021, 301, 133-140.	7.3	18
32	Predicting Usual Interstitial Pneumonia Histopathology From Chest CT Imaging With Deep Learning. Chest, 2022, 162, 815-823.	0.8	18
33	Pharmacogenomic Next-Generation DNA Sequencing: Lessons from the Identification and Functional Characterization of Variants of Unknown Significance in<i>CYP2C9</i>and<i>CYP2C19</i>. Drug Metabolism and Disposition, 2019, 47, 425-435.	3.3	17
34	An integrative approach to assess X–chromosome inactivation using allele–specific expression with applications to epithelial ovarian cancer. Genetic Epidemiology, 2017, 41, 898-914.	1.3	16
35	Sex differences in type and occurrence of adverse reactions to opioid analgesics: a retrospective cohort study. BMJ Open, 2021, 11, e044157.	1.9	16
36	Specific populations of urinary extracellular vesicles and proteins differentiate type 1 primary hyperoxaluria patients without and with nephrocalcinosis or kidney stones. Orphanet Journal of Rare Diseases, 2020, 15, 319.	2.7	15

#	Article	IF	Citations
37	Natural Language Processing and Machine Learning for Identifying Incident Stroke From Electronic Health Records: Algorithm Development and Validation. Journal of Medical Internet Research, 2021, 23, e22951.	4.3	14
38	Longitudinal cohorts for harnessing the electronic health record for disease prediction in a US population. BMJ Open, 2021, 11, e044353.	1.9	14
39	Trans‐Ethnic Meta‐Analysis Identifies Common and Rare Variants Associated with Hepatocyte Growth Factor Levels in the Multi‐Ethnic Study of Atherosclerosis (MESA). Annals of Human Genetics, 2015, 79, 264-274.	0.8	13
40	Targeted Genotyping in Clinical Pharmacogenomics. Journal of Molecular Diagnostics, 2022, 24, 253-261.	2.8	13
41	Hybrid high-definition microvessel imaging/shear wave elastography improves breast lesion characterization. Breast Cancer Research, 2022, 24, 16.	5.0	13
42	Evaluation of Zn, Cu, and Se Levels in the North American Autism Spectrum Disorder Population. Frontiers in Molecular Neuroscience, 2021, 14, 665686.	2.9	12
43	Increased hepatocyte growth factor levels over 2 years are associated with coronary heart disease: the Multi-Ethnic Study of Atherosclerosis (MESA). American Heart Journal, 2019, 213, 30-34.	2.7	11
44	Genetic predictors of chemotherapy-related amenorrhea in women with breast cancer. Fertility and Sterility, 2019, 112, 731-739.e1.	1.0	10
45	Impact of adiposity on cellular adhesion: The Multi‐Ethnic Study of atherosclerosis (MESA). Obesity, 2016, 24, 223-230.	3.0	9
46	gsSKAT: Rapid gene set analysis and multiple testing correction for rare‐variant association studies using weighted linear kernels. Genetic Epidemiology, 2017, 41, 297-308.	1.3	9
47	Using Ultrasound Color Doppler Twinkling to Identify Biopsy Markers in the Breast and Axilla. Ultrasound in Medicine and Biology, 2021, 47, 3122-3134.	1.5	9
48	^{11}C-choline positron emission tomography/computed tomography for detection of disease relapse in patients with history of biochemically recurrent prostate cancer and prostate-specific antigen ≤1 ng/ml. Journal of Cancer Research and Therapeutics, 2021, 17, 358.	0.9	8
49	Hepatocyte Growth Factor and Incident Heart Failure Subtypes: The Multi-Ethnic Study of Atherosclerosis (MESA). Journal of Cardiac Failure, 2021, 27, 981-990.	1.7	8
50	Association of Proton Pump Inhibitors With Higher Risk of Cardiovascular Disease and Heart Failure. Mayo Clinic Proceedings, 2021, 96, 2540-2549.	3.0	8
51	Regularized Rare Variant Enrichment Analysis for Case‐Control Exome Sequencing Data. Genetic Epidemiology, 2014, 38, 104-113.	1.3	7
52	Adhesion pathway proteins and risk of atrial fibrillation in the Multi-Ethnic Study of Atherosclerosis. BMC Cardiovascular Disorders, 2021, 21, 436.	1.7	6
53	Design, Synthesis, and Preliminary Evaluation of ^{68}Ga-NOTA-Insulin as a PET Probe in an Alzheimer's Disease Mouse Model. Bioconjugate Chemistry, 2022, 33, 892-906.	3.6	6
54	Post hoc Analysis for Detecting Individual Rare Variant Risk Associations Using Probit Regression Bayesian Variable Selection Methods in Case‐Control Sequencing Studies. Genetic Epidemiology, 2016, 40, 461-469.	1.3	5

#	ARTICLE	IF	CITATIONS
55	ABO blood group is associated with peripheral arterial disease in African Americans: The Multi-Ethnic Study of Atherosclerosis (MESA). Thrombosis Research, 2017, 153, 1-6.	1.7	5
56	An expanded variant list and assembly annotation identifies multiple novel coding and noncoding genes for prostate cancer risk using a normal prostate tissue eQTL data set. PLoS ONE, 2019, 14, e0214588.	2.5	5
57	Association of Circulating Hepatocyte Growth Factor and Risk of Incident Peripheral Artery Disease: The Multi-Ethnic Study of Atherosclerosis. Angiology, 2020, 71, 544-551.	1.8	5
58	Acute Reactions to Gadolinium-Based Contrast Agents in a Pediatric Cohort: A Retrospective Study of 16,237 Injections. American Journal of Roentgenology, 2021, 216, 1363-1369.	2.2	5
59	Whole brain 3D MR fingerprinting in multiple sclerosis: a pilot study. BMC Medical Imaging, 2021, 21, 88.	2.7	5
60	Favorable Cardiovascular Health Is Associated With Lower Hepatocyte Growth Factor Levels in the Multi-Ethnic Study of Atherosclerosis. Frontiers in Cardiovascular Medicine, 2021, 8, 760281.	2.4	5
61	Identifying Information Gaps in Electronic Health Records by Using Natural Language Processing: Gynecologic Surgery History Identification. Journal of Medical Internet Research, 2022, 24, e29015.	4.3	5
62	Elevated Levels of Adhesion Proteins Are Associated With Low Ankle–Brachial Index. Angiology, 2017, 68, 322-329.	1.8	4
63	Comparison of [18F] FDG-PET/MRI and Clinical Findings for Assessment of Suspected Lumbar Facet Joint Pain: A Prospective Study to Characterize Candidate Nonanatomic Imaging Biomarkers and Potential Impact on Management. American Journal of Neuroradiology, 2019, 40, 1779-1785.	2.4	4
64	Low high-density lipoprotein cholesterol and particle concentrations are associated with greater levels of endothelial activation markers in Multi-Ethnic Study of Atherosclerosis participants. Journal of Clinical Lipidology, 2017, 11, 955-963.e3.	1.5	3
65	Improving Single-Nucleotide Polymorphism-Based Fetal Fraction Estimation of Maternal Plasma Circulating Cell-Free DNA Using Bayesian Hierarchical Models. Journal of Computational Biology, 2018, 25, 1040-1049.	1.6	3
66	Impact of Pharmacogenomic Information on Values of Care and Quality of Life Associated with Codeine and Tramadol-Related Adverse Drug Events. Mayo Clinic Proceedings Innovations, Quality & Outcomes, 2021, 5, 35-45.	2.4	3
67	Identification of sex-specific genetic associations in response to opioid analgesics in a White, non-Hispanic cohort from Southeast Minnesota. Pharmacogenomics Journal, 2022, , .	2.0	3
68	A microRNA Transcriptome-wide Association Study of Prostate Cancer Risk. Frontiers in Genetics, 2022, 13, 836841.	2.3	3
69	Blood group antigen loci demonstrate multivariate genetic associations with circulating cellular adhesion protein levels in the Multi-Ethnic Study of Atherosclerosis. Human Genetics, 2016, 135, 415-423.	3.8	2
70	Abstract 13300: Hepatocyte Growth Factor and 10-year Change in Left Ventricular Structure: The Multi-Ethnic Study of Atherosclerosis. Circulation, 2020, 142, .	1.6	2
71	Network-directed cis-mediator analysis of normal prostate tissue expression profiles reveals downstream regulatory associations of prostate cancer susceptibility loci. Oncotarget, 2017, 8, 85896-85908.	1.8	2
72	Hepatocyte growth factor is associated with greater risk of extracoronary calcification: results from the multiethnic study of atherosclerosis. Open Heart, 2022, 9, e001971.	2.3	2

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73	Penalized variance components for association of multiple genes with traits. Genetic Epidemiology, 2020, 44, 665-675.	1.3	1
74	Abstract MP15: Validation of Phenotyping Algorithms for Stroke From Electronic Health Records Using Natural Language Processing. Circulation, 2019, 139, .	1.6	1
75	Polygenic Risk Scores for Blood Pressure to Assess the Risk of Severe Bevacizumabâ€‑Induced Hypertension in Cancer Patients (Alliance). Clinical Pharmacology and Therapeutics, 2022, 112, 364-371.	4.7	1
76	Non-Invasive Measurement of the Internal Pressure of a Pressurized Biological Compartment Using Lamb Waves. IEEE Transactions on Biomedical Engineering, 2022, 69, 1860-1869.	4.2	0
77	Coverage profile correction of shallow-depth circulating cell-free DNA sequencing via multidistance learning. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2020, 25, 599-610.	0.7	0
78	Gene expression of vitamin D (VitD) pathway markers and survival in patients (Pts) with metastatic colorectal cancer (mCRC): CALGB/SWOG 80405 (Alliance).. Journal of Clinical Oncology, 2022, 40, 3553-3553.	1.6	0