

Nicholas B Larson

List of Publications by Year in descending order

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Version: 2024-02-01

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	Non-Invasive Measurement of the Internal Pressure of a Pressurized Biological Compartment Using Lamb Waves. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 1860-1869.	4.2	0
2	Targeted Genotyping in Clinical Pharmacogenomics. <i>Journal of Molecular Diagnostics</i> , 2022, 24, 253-261.	2.8	13
3	Identification of sex-specific genetic associations in response to opioid analgesics in a White, non-Hispanic cohort from Southeast Minnesota. <i>Pharmacogenomics Journal</i> , 2022, , .	2.0	3
4	Identifying Information Gaps in Electronic Health Records by Using Natural Language Processing: Gynecologic Surgery History Identification. <i>Journal of Medical Internet Research</i> , 2022, 24, e29015.	4.3	5
5	A microRNA Transcriptome-wide Association Study of Prostate Cancer Risk. <i>Frontiers in Genetics</i> , 2022, 13, 836841.	2.3	3
6	A New Frontier in Temporal Bone Imaging: Photon-Counting Detector CT Demonstrates Superior Visualization of Critical Anatomic Structures at Reduced Radiation Dose. <i>American Journal of Neuroradiology</i> , 2022, 43, 579-584.	2.4	43
7	Implementation of preemptive DNA sequence-based pharmacogenomics testing across a large academic medical center: The Mayo-Baylor RIGHT 10K Study. <i>Genetics in Medicine</i> , 2022, 24, 1062-1072.	2.4	28
8	Hybrid high-definition microvessel imaging/shear wave elastography improves breast lesion characterization. <i>Breast Cancer Research</i> , 2022, 24, 16.	5.0	13
9	Predicting Usual Interstitial Pneumonia Histopathology From Chest CT Imaging With Deep Learning. <i>Chest</i> , 2022, 162, 815-823.	0.8	18
10	Design, Synthesis, and Preliminary Evaluation of [⁶⁸ Ga]Ga-NOTA-Insulin as a PET Probe in an Alzheimer's Disease Mouse Model. <i>Bioconjugate Chemistry</i> , 2022, 33, 892-906.	3.6	6
11	Polygenic Risk Scores for Blood Pressure to Assess the Risk of Severe Bevacizumab-Induced Hypertension in Cancer Patients (Alliance). <i>Clinical Pharmacology and Therapeutics</i> , 2022, 112, 364-371.	4.7	1
12	Hepatocyte growth factor is associated with greater risk of extracoronary calcification: results from the multiethnic study of atherosclerosis. <i>Open Heart</i> , 2022, 9, e001971.	2.3	2
13	Gene expression of vitamin D (VitD) pathway markers and survival in patients (Pts) with metastatic colorectal cancer (mCRC): CALGB/SWOG 80405 (Alliance).. <i>Journal of Clinical Oncology</i> , 2022, 40, 3553-3553.	1.6	0
14	CpGtools: a python package for DNA methylation analysis. <i>Bioinformatics</i> , 2021, 37, 1598-1599.	4.1	19
15	Malignant Outcomes of Architectural Distortion on Tomosynthesis: A Systematic Review and Meta-Analysis. <i>American Journal of Roentgenology</i> , 2021, 217, 295-303.	2.2	19
16	Acute Reactions to Gadolinium-Based Contrast Agents in a Pediatric Cohort: A Retrospective Study of 16,237 Injections. <i>American Journal of Roentgenology</i> , 2021, 216, 1363-1369.	2.2	5
17	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 ≥ 0.1 ng/ml. <i>Journal of Cancer Research and Therapeutics</i> , 2021, 17, 358.	0.9	8
18	Impact of Pharmacogenomic Information on Values of Care and Quality of Life Associated with Codeine and Tramadol-Related Adverse Drug Events. <i>Mayo Clinic Proceedings Innovations, Quality & Outcomes</i> , 2021, 5, 35-45.	2.4	3

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19	Natural Language Processing and Machine Learning for Identifying Incident Stroke From Electronic Health Records: Algorithm Development and Validation. <i>Journal of Medical Internet Research</i> , 2021, 23, e22951.	4.3	14
20	Evaluation of Zn, Cu, and Se Levels in the North American Autism Spectrum Disorder Population. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 665686.	2.9	12
21	Whole brain 3D MR fingerprinting in multiple sclerosis: a pilot study. <i>BMC Medical Imaging</i> , 2021, 21, 88.	2.7	5
22	Sex differences in type and occurrence of adverse reactions to opioid analgesics: a retrospective cohort study. <i>BMJ Open</i> , 2021, 11, e044157.	1.9	16
23	Longitudinal cohorts for harnessing the electronic health record for disease prediction in a US population. <i>BMJ Open</i> , 2021, 11, e044353.	1.9	14
24	Hepatocyte Growth Factor and Incident Heart Failure Subtypes: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Journal of Cardiac Failure</i> , 2021, 27, 981-990.	1.7	8
25	Adhesion pathway proteins and risk of atrial fibrillation in the Multi-Ethnic Study of Atherosclerosis. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 436.	1.7	6
26	Prevention of Allergic-like Reactions at Repeat CT: Steroid Pretreatment versus Contrast Material Substitution. <i>Radiology</i> , 2021, 301, 133-140.	7.3	18
27	Association of Proton Pump Inhibitors With Higher Risk of Cardiovascular Disease and Heart Failure. <i>Mayo Clinic Proceedings</i> , 2021, 96, 2540-2549.	3.0	8
28	Using Ultrasound Color Doppler Twinkling to Identify Biopsy Markers in the Breast and Axilla. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 3122-3134.	1.5	9
29	Association of mitochondrial DNA copy number with cardiometabolic diseases. <i>Cell Genomics</i> , 2021, 1, 100006.	6.5	26
30	Favorable Cardiovascular Health Is Associated With Lower Hepatocyte Growth Factor Levels in the Multi-Ethnic Study of Atherosclerosis. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 760281.	2.4	5
31	Cohort Profile: The Right Drug, Right Dose, Right Time: Using Genomic Data to Individualize Treatment Protocol (RIGHT Protocol). <i>International Journal of Epidemiology</i> , 2020, 49, 23-24k.	1.9	34
32	Atherosclerotic Cardiovascular Disease Risk Stratification Based on Measurements of Troponin and Coronary Artery Calcium. <i>Journal of the American College of Cardiology</i> , 2020, 76, 357-370.	2.8	32
33	Specific populations of urinary extracellular vesicles and proteins differentiate type 1 primary hyperoxaluria patients without and with nephrocalcinosis or kidney stones. <i>Orphanet Journal of Rare Diseases</i> , 2020, 15, 319.	2.7	15
34	Penalized variance components for association of multiple genes with traits. <i>Genetic Epidemiology</i> , 2020, 44, 665-675.	1.3	1
35	Quantitative Knee Arthrography in a Large Animal Model of Osteoarthritis Using Photon-Counting Detector CT. <i>Investigative Radiology</i> , 2020, 55, 349-356.	6.2	22
36	Association of Circulating Hepatocyte Growth Factor and Risk of Incident Peripheral Artery Disease: The Multi-Ethnic Study of Atherosclerosis. <i>Angiology</i> , 2020, 71, 544-551.	1.8	5

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37	<p>Sex Differences in Associations Between CYP2D6 Phenotypes and Response to Opioid Analgesics</p>. <i>Pharmacogenomics and Personalized Medicine</i> , 2020, Volume 13, 71-79.	0.7	18
38	Abstract 13300: Hepatocyte Growth Factor and 10-year Change in Left Ventricular Structure: The Multi-Ethnic Study of Atherosclerosis. <i>Circulation</i> , 2020, 142, .	1.6	2
39	Coverage profile correction of shallow-depth circulating cell-free DNA sequencing via multidistance learning. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2020, 25, 599-610.	0.7	0
40	Genetic predictors of chemotherapy-related amenorrhea inÂwomen with breast cancer. <i>Fertility and Sterility</i> , 2019, 112, 731-739.e1.	1.0	10
41	Increased hepatocyte growth factor levels over 2 years are associated with coronary heart disease: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>American Heart Journal</i> , 2019, 213, 30-34.	2.7	11
42	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. <i>PLoS ONE</i> , 2019, 14, e0214588.	2.5	5
43	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>. <i>Drug Metabolism and Disposition</i> , 2019, 47, 425-435.	3.3	17
44	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. <i>American Journal of Neuroradiology</i> , 2019, 40, 1779-1785.	2.4	4
45	Molecular signatures of X chromosome inactivation and associations with clinical outcomes in epithelial ovarian cancer. <i>Human Molecular Genetics</i> , 2019, 28, 1331-1342.	2.9	19
46	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019, 104, 112-138.	6.2	106
47	A review of kernel methods for genetic association studies. <i>Genetic Epidemiology</i> , 2019, 43, 122-136.	1.3	24
48	Abstract MP15: Validation of Phenotyping Algorithms for Stroke From Electronic Health Records Using Natural Language Processing. <i>Circulation</i> , 2019, 139, .	1.6	1
49	Hepatocyte growth factor is associated with progression of atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Atherosclerosis</i> , 2018, 272, 162-167.	0.8	28
50	From genome-wide associations to candidate causal variants by statistical fine-mapping. <i>Nature Reviews Genetics</i> , 2018, 19, 491-504.	16.3	611
51	Improving Single-Nucleotide Polymorphism-Based Fetal Fraction Estimation of Maternal Plasma Circulating Cell-Free DNA Using Bayesian Hierarchical Models. <i>Journal of Computational Biology</i> , 2018, 25, 1040-1049.	1.6	3
52	Risk SNP-Mediated Promoter-Enhancer Switching Drives Prostate Cancer through lncRNA PCAT19. <i>Cell</i> , 2018, 174, 564-575.e18.	28.9	264
53	gsSKAT: Rapid gene set analysis and multiple testing correction for rareâ€variant association studies using weighted linear kernels. <i>Genetic Epidemiology</i> , 2017, 41, 297-308.	1.3	9
54	ABO blood group is associated with peripheral arterial disease in African Americans: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Thrombosis Research</i> , 2017, 153, 1-6.	1.7	5

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55	Low high-density lipoprotein cholesterol and particle concentrations are associated with greater levels of endothelial activation markers in Multi-Ethnic Study of Atherosclerosis participants. <i>Journal of Clinical Lipidology</i> , 2017, 11, 955-963.e3.	1.5	3
56	Hepatocyte growth factor demonstrates racial heterogeneity as a biomarker for coronary heart disease. <i>Heart</i> , 2017, 103, 1185-1193.	2.9	23
57	FIRE: functional inference of genetic variants that regulate gene expression. <i>Bioinformatics</i> , 2017, 33, 3895-3901.	4.1	30
58	An integrative approach to assess X chromosome inactivation using allele-specific expression with applications to epithelial ovarian cancer. <i>Genetic Epidemiology</i> , 2017, 41, 898-914.	1.3	16
59	Elevated Levels of Adhesion Proteins Are Associated With Low Ankle-Brachial Index. <i>Angiology</i> , 2017, 68, 322-329.	1.8	4
60	&em>CYP2D6&em> phenotypes are associated with adverse outcomes related to opioid medications. <i>Pharmacogenomics and Personalized Medicine</i> , 2017, Volume 10, 217-227.	0.7	22
61	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). <i>PLoS ONE</i> , 2017, 12, e0189858.	2.5	20
62	Network-directed cis-mediator analysis of normal prostate tissue expression profiles reveals downstream regulatory associations of prostate cancer susceptibility loci. <i>Oncotarget</i> , 2017, 8, 85896-85908.	1.8	2
63	Post hoc Analysis for Detecting Individual Rare Variant Risk Associations Using Probit Regression Bayesian Variable Selection Methods in Case-Control Sequencing Studies. <i>Genetic Epidemiology</i> , 2016, 40, 461-469.	1.3	5
64	Blood group antigen loci demonstrate multivariate genetic associations with circulating cellular adhesion protein levels in the Multi-Ethnic Study of Atherosclerosis. <i>Human Genetics</i> , 2016, 135, 415-423.	3.8	2
65	ABO blood group associations with markers of endothelial dysfunction in the Multi-Ethnic Study of Atherosclerosis. <i>Atherosclerosis</i> , 2016, 251, 422-429.	0.8	28
66	Hepatocyte Growth Factor Is Positively Associated With Risk of Stroke. <i>Stroke</i> , 2016, 47, 2689-2694.	2.0	33
67	Impact of adiposity on cellular adhesion: The Multi-Ethnic Study of atherosclerosis (MESA). <i>Obesity</i> , 2016, 24, 223-230.	3.0	9
68	Improvement in Cardiovascular Risk Prediction with Electronic Health Records. <i>Journal of Cardiovascular Translational Research</i> , 2016, 9, 214-222.	2.4	38
69	Circulating level of hepatocyte growth factor predicts incidence of type 2 diabetes mellitus: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 64-72.	3.4	21
70	Trans-Ethnic Meta-Analysis Identifies Common and Rare Variants Associated with Hepatocyte Growth Factor Levels in the Multi-Ethnic Study of Atherosclerosis (MESA). <i>Annals of Human Genetics</i> , 2015, 79, 264-274.	0.8	13
71	Comprehensively Evaluating cis-Regulatory Variation in the Human Prostate Transcriptome by Using Gene-Level Allele-Specific Expression. <i>American Journal of Human Genetics</i> , 2015, 96, 869-882.	6.2	37
72	Soluble P-selectin predicts lower extremity peripheral artery disease incidence and change in the ankle brachial index: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Atherosclerosis</i> , 2015, 239, 405-411.	0.8	22

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73	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. <i>Journal of Cardiovascular Translational Research</i> , 2015, 8, 475-483.	2.4	44
74	P-selectin and subclinical and clinical atherosclerosis: The Multi-Ethnic Study of Atherosclerosis (MESA). <i>Atherosclerosis</i> , 2015, 240, 3-9.	0.8	47
75	Regularized Rare Variant Enrichment Analysis for Caseâ€Control Exome Sequencing Data. <i>Genetic Epidemiology</i> , 2014, 38, 104-113.	1.3	7
76	Kernel canonical correlation analysis for assessing geneâ€gene interactions and application to ovarian cancer. <i>European Journal of Human Genetics</i> , 2014, 22, 126-131.	2.8	33
77	A Kernel Regression Approach to Geneâ€Gene Interaction Detection for Caseâ€Control Studies. <i>Genetic Epidemiology</i> , 2013, 37, 695-703.	1.3	20
78	PurBayes: estimating tumor cellularity and subclonality in next-generation sequencing data. <i>Bioinformatics</i> , 2013, 29, 1888-1889.	4.1	82