

# Ying Lu

## List of Publications by Year in descending order

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110  
papers

5,245  
citations

147566

31  
h-index

88477

70  
g-index

118  
all docs

118  
docs citations

118  
times ranked

6230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cortical and Trabecular Bone Mineral Loss From the Spine and Hip in Long-Duration Spaceflight. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 1006-1012.	3.1	685
2	SEXTANT LOCALIZATION OF PROSTATE CANCER: COMPARISON OF SEXTANT BIOPSY, MAGNETIC RESONANCE IMAGING AND MAGNETIC RESONANCE SPECTROSCOPIC IMAGING WITH STEP SECTION HISTOLOGY. <i>Journal of Urology</i> , 2000, 164, 400-404.	0.2	348
3	Comparisons of Noninvasive Bone Mineral Measurements in Assessing Age-Related Loss, Fracture Discrimination, and Diagnostic Classification. <i>Journal of Bone and Mineral Research</i> , 1997, 12, 697-711.	3.1	337
4	Log-transformation and its implications for data analysis. <i>Shanghai Archives of Psychiatry</i> , 2014, 26, 105-9.	0.7	294
5	In Vivo High Resolution MRI of the Calcaneus: Differences in Trabecular Structure in Osteoporosis Patients. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 1175-1182.	3.1	261
6	Adaptation of the Proximal Femur to Skeletal Reloading After Long-Duration Spaceflight. <i>Journal of Bone and Mineral Research</i> , 2006, 21, 1224-1230.	3.1	243
7	Standardization of Bone Mineral Density at Femoral Neck, Trochanter and Ward's Triangle. <i>Osteoporosis International</i> , 2001, 12, 438-444.	1.3	200
8	Universal Standardization of Bone Density Measurements: A Method with Optimal Properties for Calibration Among Several Instruments. <i>Journal of Bone and Mineral Research</i> , 1997, 12, 1463-1470.	3.1	199
9	MRI Phenotype Is Associated With Response to Doxorubicin and Cyclophosphamide Neoadjuvant Chemotherapy in Stage III Breast Cancer. <i>Annals of Surgical Oncology</i> , 2001, 8, 549-559.	0.7	185
10	The age of fathers in the USA is rising: an analysis of 168 867 480 births from 1972 to 2015. <i>Human Reproduction</i> , 2017, 32, 2110-2116.	0.4	174
11	Classification of Osteoporosis Based on Bone Mineral Densities. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 901-910.	3.1	140
12	Isolation and Visible Detection of Tumor-Derived Exosomes from Plasma. <i>Analytical Chemistry</i> , 2018, 90, 14207-14215.	3.2	121
13	Association of paternal age with perinatal outcomes between 2007 and 2016 in the United States: population based cohort study. <i>BMJ: British Medical Journal</i> , 2018, 363, k4372.	2.4	118
14	MR Imaging of the Breast in Patients with Positive Margins After Lumpectomy. <i>American Journal of Roentgenology</i> , 2000, 175, 1577-1584.	1.0	100
15	Long Noncoding RNA H19 Contributes to Cholangiocyte Proliferation and Cholestatic Liver Fibrosis in Biliary Atresia. <i>Hepatology</i> , 2019, 70, 1658-1673.	3.6	100
16	Trabecular Bone Mineral and Calculated Structure of Human Bone Specimens Scanned by Peripheral Quantitative Computed Tomography: Relation to Biomechanical Properties. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 1783-1790.	3.1	90
17	Correlation of dynamic contrast-enhanced magnetic resonance imaging with histologic tumor grade: comparison of macromolecular and small-molecular contrast media. <i>Pediatric Radiology</i> , 1998, 28, 67-78.	1.1	78
18	Dual X-ray absorptiometry quality control: Comparison of visual examination and process-control charts. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 626-637.	3.1	77

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19	Airtraq laryngoscope versus conventional Macintosh laryngoscope: a systematic review and meta-analysis. <i>Anaesthesia</i> , 2011, 66, 1160-1167.	1.8	77
20	Drug-eluting stents versus bare-metal stents in saphenous vein grafts: a double-blind, randomised trial. <i>Lancet, The</i> , 2018, 391, 1997-2007.	6.3	70
21	â€œSPOCUâ€ scaled polynomial constant unit activation function. <i>Neural Computing and Applications</i> , 2021, 33, 3385-3401.	3.2	60
22	An Update Survey of Academic Radiologists' Clinical Productivity. <i>Journal of the American College of Radiology</i> , 2008, 5, 817-826.	0.9	58
23	Identify fracture-critical regions inside the proximal femur using statistical parametric mapping. <i>Bone</i> , 2009, 44, 596-602.	1.4	58
24	Comparative calibration without a gold standard. , 1997, 16, 1889-1905.		53
25	On the empirical choice of the time window for restricted mean survival time. <i>Biometrics</i> , 2020, 76, 1157-1166.	0.8	53
26	Focal Fatty Infiltration of the Liver. <i>American Journal of Roentgenology</i> , 2001, 177, 1035-1039.	1.0	51
27	Morphometric texture analysis of spinal trabecular bone structure assessed using orthogonal radiographic projections. <i>Medical Physics</i> , 1998, 25, 2037-2045.	1.6	41
28	Cross-calibration, Least Significant Change and Quality Assurance in Multiple Dual-Energy X-ray Absorptiometry Scanner Environments: 2019 ISCD Official Position. <i>Journal of Clinical Densitometry</i> , 2019, 22, 472-483.	0.5	38
29	Voxel-based modeling and quantification of the proximal femur using inter-subject registration of quantitative CT images. <i>Bone</i> , 2007, 41, 888-895.	1.4	37
30	Multiplex detection of bacteria on an integrated centrifugal disk using bead-beating lysis and loop-mediated amplification. <i>Scientific Reports</i> , 2017, 7, 1460.	1.6	36
31	Reduced Graphene Oxide-Based Solid-Phase Extraction for the Enrichment and Detection of microRNA. <i>Analytical Chemistry</i> , 2017, 89, 10137-10140.	3.2	36
32	Physical activity and stress management during COVID-19: a longitudinal survey study. <i>Psychology and Health</i> , 2022, 37, 51-61.	1.2	35
33	P-values in genomics: Apparent precision masks high uncertainty. <i>Molecular Psychiatry</i> , 2014, 19, 1336-1340.	4.1	34
34	Preconception Antidiabetic Drugs in Men and Birth Defects in Offspring. <i>Annals of Internal Medicine</i> , 2022, 175, 665-673.	2.0	34
35	The Academic Radiologistâ€™s Clinical Productivity. <i>Academic Radiology</i> , 2005, 12, 1211-1223.	1.3	33
36	Differential Opioid Inhibition of C- and A??- Fiber Mediated Thermanociception After Stimulation of the Nucleus Raphe Magnus. <i>Anesthesia and Analgesia</i> , 2004, 98, 414-419.	1.1	30

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37	Design of VA Cooperative Study #591: CERV-PTSD, Comparative Effectiveness Research in Veterans with PTSD. <i>Contemporary Clinical Trials</i> , 2015, 41, 75-84.	0.8	30
38	Labeling Human Embryonic Stem Cell-Derived Cardiomyocytes with Indocyanine Green for Noninvasive Tracking with Optical Imaging: An FDA-Compatible Alternative to Firefly Luciferase. <i>Cell Transplantation</i> , 2010, 19, 55-65.	1.2	29
39	Whole brain voxel-wise analysis of single-subject serial DTI by permutation testing. <i>NeuroImage</i> , 2008, 39, 1693-1705.	2.1	28
40	Attenuation of subchondral bone abnormal changes in osteoarthritis by inhibition of SDF-1 signaling. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 986-994.	0.6	27
41	On the non-inferiority of a diagnostic test based on paired observations. <i>Statistics in Medicine</i> , 2003, 22, 3029-3044.	0.8	25
42	Establishing a data monitoring committee for clinical trials. <i>Shanghai Archives of Psychiatry</i> , 2014, 26, 54-6.	0.7	24
43	Rapid and Automated Detection of Six Contaminants in Milk Using a Centrifugal Microfluidic Platform with Two Rotation Axes. <i>Analytical Chemistry</i> , 2019, 91, 7958-7964.	3.2	23
44	XRN2 promotes EMT and metastasis through regulating maturation of miR-10a. <i>Oncogene</i> , 2017, 36, 3925-3933.	2.6	22
45	<i>Cordyceps sinensis</i> protects against liver and heart injuries in a rat model of chronic kidney disease: a metabolomic analysis. <i>Acta Pharmacologica Sinica</i> , 2014, 35, 697-706.	2.8	21
46	Association between preconception paternal health and pregnancy loss in the USA: an analysis of US claims data. <i>Human Reproduction</i> , 2021, 36, 785-793.	0.4	21
47	A self-contained and fully integrated fluidic cassette system for multiplex nucleic acid detection of bacteriuria. <i>Lab on A Chip</i> , 2020, 20, 384-393.	3.1	20
48	A Highly Automated Mobile Laboratory for On-site Molecular Diagnostics in the COVID-19 Pandemic. <i>Clinical Chemistry</i> , 2021, 67, 672-683.	1.5	19
49	Cell electroporation with a three-dimensional microelectrode array on a printed circuit board. <i>Bioelectrochemistry</i> , 2015, 102, 35-41.	2.4	17
50	Potential Antigens Involved in Delayed Xenograft Rejection in a Ggta1/Cmah Dko Pig-to-Monkey Model. <i>Scientific Reports</i> , 2017, 7, 10024.	1.6	17
51	Parental age and stillbirth: a population-based cohort of nearly 10 million California deliveries from 1991 to 2011. <i>Annals of Epidemiology</i> , 2019, 31, 32-37.e2.	0.9	16
52	The optimal linear combination of multiple predictors under the generalized linear models. <i>Statistics and Probability Letters</i> , 2009, 79, 2321-2327.	0.4	15
53	In vitro hyperthermia studied in a continuous manner using electric impedance sensing. <i>RSC Advances</i> , 2015, 5, 62007-62016.	1.7	15
54	Development and application of a diagnostic algorithm for posttraumatic stress disorder. <i>Psychiatry Research - Neuroimaging</i> , 2015, 231, 1-7.	0.9	14

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55	A Procedure for Determining Whether a Simple Combination of Diagnostic Tests May Be Noninferior to the Theoretical Optimum Combination. <i>Medical Decision Making</i> , 2008, 28, 909-916.	1.2	13
56	Bone fracture risk estimation based on image similarity. <i>Bone</i> , 2009, 45, 560-567.	1.4	13
57	Sensitive and Rapid Diagnosis of Respiratory Virus Coinfection Using a Microfluidic Chipâ€Powered CRISPR/Cas12a System. <i>Small</i> , 2022, 18, .	5.2	13
58	Is the non-sentinel lymph node compartment the next site for melanoma progression from the sentinel lymph node compartment in the regional nodal basin?. <i>Clinical and Experimental Metastasis</i> , 2017, 34, 345-350.	1.7	11
59	A Microfluidic-Based SNP Genotyping Method for Hereditary Hearing-Loss Detection. <i>Analytical Chemistry</i> , 2019, 91, 6111-6117.	3.2	11
60	Design of randomized controlled confirmatory trials using historical control data to augment sample size for concurrent controls. <i>Journal of Biopharmaceutical Statistics</i> , 2019, 29, 558-573.	0.4	11
61	Rationale and design of the Drugâ€Eluting Stents vs Bareâ€Metal Stents in Saphenous Vein Graft Angioplasty (DIVA) Trial. <i>Clinical Cardiology</i> , 2017, 40, 946-954.	0.7	10
62	Receipt of Eye Care Services among Medicare Beneficiaries with and without Dementia. <i>Ophthalmology</i> , 2020, 127, 1000-1011.	2.5	10
63	Cancer cell-intrinsic STING is associated with CD8â€+â€T-cell infiltration and might serve as a potential immunotherapeutic target in hepatocellular carcinoma. <i>Clinical and Translational Oncology</i> , 2021, 23, 1314-1324.	1.2	9
64	Prevalence of Multimorbidity of Chronic Noncommunicable Diseases in Brazil: Population-Based Study. <i>JMIR Public Health and Surveillance</i> , 2021, 7, e29693.	1.2	9
65	Regulation of testicular P-450 cholesterol side-chain cleavage and P-450 C17-20 lyase/C17 hydroxylase enzymes in the neonatal and adult rat. <i>European Journal of Endocrinology</i> , 1991, 124, 449-454.	1.9	8
66	Differences in Cataract Surgery Rates Based on Dementia Status. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 423-432.	1.2	8
67	Cataract Surgery Complexity and Surgical Complication Rates Among Medicare Beneficiaries With and Without Dementia. <i>American Journal of Ophthalmology</i> , 2021, 221, 27-38.	1.7	8
68	Validation of Deep Learningâ€based Augmentation for Reduced <sup>18</sup> F-FDG Dose for PET/MRI in Children and Young Adults with Lymphoma. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e200232.	3.0	8
69	Receiver operating characteristic (ROC) analysis for diagnostic examinations with uninterpretable cases. <i>Statistics in Medicine</i> , 2002, 21, 1849-1865.	0.8	7
70	Permutation test for non-inferiority of the linear to the optimal combination of multiple tests. <i>Statistics and Probability Letters</i> , 2009, 79, 664-669.	0.4	7
71	Statistical Considerations for Sequential Analysis of the Restricted Mean Survival Time for Randomized Clinical Trials. <i>Statistics in Biopharmaceutical Research</i> , 2021, 13, 210-218.	0.6	7
72	Risk of pre-term births and major birth defects resulting from paternal intake of COVID-19 medications prior to conception. <i>BMC Research Notes</i> , 2020, 13, 509.	0.6	6

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73	Coping with the COVID-19 pandemic: Contemplative practice behaviors are associated with better mental health outcomes and compliance with shelter-in-place orders in a prospective cohort study. <i>Preventive Medicine Reports</i> , 2021, 23, 101451.	0.8	6
74	Reduction of sampling bias of odds ratios for vertebral fractures using propensity scores. <i>Osteoporosis International</i> , 2006, 17, 507-520.	1.3	5
75	Highly uniform in-situ cell electrotransfection of adherent cultures using grouped interdigitated electrodes. <i>Bioelectrochemistry</i> , 2020, 132, 107435.	2.4	5
76	Paternal prescription medication before conception: A retrospective cohort study of all births in Denmark 1997–2017. <i>Scandinavian Journal of Public Health</i> , 2021, 49, 140349482098746.	1.2	5
77	Metabolomic Profiles of Plasma Retinol-Associated Dyslipidemia in Men and Women. <i>Frontiers in Nutrition</i> , 2021, 8, 740435.	1.6	5
78	Functional Loss and Mortality in Randomized Clinical Trials for Amyotrophic Lateral Sclerosis: To Combine, or Not to Combine—That is the Estimand. <i>Clinical Pharmacology and Therapeutics</i> , 2022, 111, 817-825.	2.3	5
79	A simple Bayesian decision-theoretic design for dose-finding trials. <i>Statistics in Medicine</i> , 2012, 31, 3719-3730.	0.8	4
80	Parental age and preterm birth: a population-based cohort of nearly 3 million California livebirths from 2007 to 2012. <i>Journal of Perinatology</i> , 2021, 41, 2156-2164.	0.9	4
81	A portable sperm cell purification instrument based on continuous flow acoustophoretic separation of sperm cells for on-site forensic sample pretreatment. <i>Lab on A Chip</i> , 2021, 21, 933-941.	3.1	4
82	In-Stent Restenosis in Saphenous Vein Grafts (from the DIVA Trial). <i>American Journal of Cardiology</i> , 2022, 162, 24-30.	0.7	4
83	Daytime napping is associated with retinal microcirculation: a large population-based study in China. <i>Sleep</i> , 2022, 45, .	0.6	4
84	A statistical method (cross-validation) for bone loss region detection after spaceflight. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2010, 33, 163-169.	1.4	3
85	Evaluating the improvement in diagnostic utility from adding new predictors. <i>Biometrical Journal</i> , 2010, 52, 417-435.	0.6	3
86	Rbfox3/NeuN Regulates Alternative Splicing of Tau Exon 10. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 1695-1704.	1.2	3
87	Fredholm integral relation between compound estimation and prediction (FIRCEP). <i>Stochastic Analysis and Applications</i> , 2020, 38, 427-459.	0.9	3
88	Extensions of empirical likelihood and chi-squared-based tests for ordered alternatives. <i>Journal of Applied Statistics</i> , 2022, 49, 24-43.	0.6	3
89	A Curve-Free Bayesian Decision-Theoretic Design for Phase Ia/Ib Trials Considering Both Safety and Efficacy Outcomes. <i>Statistics in Biosciences</i> , 2020, 12, 146-166.	0.6	3
90	Characterization of dietary patterns and assessment of their relationships with metabolomic profiles: A community-based study. <i>Clinical Nutrition</i> , 2021, 40, 3531-3541.	2.3	3

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91	A curve-free Bayesian decision-theoretic design for two-agent Phase I trials. <i>Journal of Biopharmaceutical Statistics</i> , 2017, 27, 34-43.	0.4	2
92	MRI Phenotype Is Associated With Response to Doxorubicin and Cyclophosphamide Neoadjuvant Chemotherapy in Stage III Breast Cancer. , 2001, 8, 549.		2
93	Mgta-145 + Plerixafor Provides GCSF-Free Rapid and Reliable Hematopoietic Stem Cell Mobilization for Autologous Stem Cell Transplant in Patients with Multiple Myeloma: A Phase 2 Study. <i>Blood</i> , 2021, 138, 3885-3885.	0.6	2
94	Orca-T Results in High Gvhd-Free and Relapse-Free Survival Following Myeloablative Conditioning for Hematological Malignancies: Results of a Single Center Phase 2 and a Multicenter Phase 1b Study. <i>Blood</i> , 2021, 138, 98-98.	0.6	2
95	REDACS: Regional emergency-driven adaptive cluster sampling for effective COVID-19 management. <i>Stochastic Analysis and Applications</i> , 2023, 41, 474-508.	0.9	2
96	Joint modeling of endpoints can be used to answer various research questions in randomized clinical trials. <i>Journal of Clinical Epidemiology</i> , 2022, 147, 32-39.	2.4	2
97	A Composite Endpoint for Treatment Benefit According to Patient Preference. <i>Statistics in Biopharmaceutical Research</i> , 0, , 1-25.	0.6	2
98	STATISTICS USED IN QUALITY CONTROL, QUALITY ASSURANCE, AND QUALITY IMPROVEMENT IN RADIOLOGICAL STUDIES. , 2003, , 101-156.		1
99	Cost-Saving Tree-Structured Survival Analysis for Hip Fracture of Study of Osteoporotic Fractures Data. <i>Medical Decision Making</i> , 2011, 31, 299-307.	1.2	1
100	STATISTICS USED IN QUALITY CONTROL, QUALITY ASSURANCE, AND QUALITY IMPROVEMENT IN RADIOLOGICAL STUDIES. , 2015, , 103-159.		1
101	Transparent Communication of Radiology Research. <i>Academic Radiology</i> , 2016, 23, 529-530.	1.3	1
102	Statistical Methods in Precision Oncology. <i>Journal of Clinical Oncology</i> , 2020, 38, 660-661.	0.8	1
103	STATISTICAL METHODS IN OSTEOPOROSIS RESEARCH. , 2005, , 201-260.		1
104	Modeling the contribution of the obesity epidemic to the temporal decline in sperm counts. <i>Archivio Italiano Di Urologia Andrologia</i> , 2020, 92, .	0.4	1
105	Advanced 3D Image Processing Methods for Quantifying Proximal Femur and Vertebra Structures from QCT Images. , 2008, , 649-670.		0
106	On the Time to Conclusion of Phase II Cancer Clinical Trials and Its Application in Trial Designs. <i>Statistics in Biopharmaceutical Research</i> , 2012, 4, 324-335.	0.6	0
107	A Collection of Statistical Methods for Precision Oncology. <i>JCO Precision Oncology</i> , 2019, 3, 1-3.	1.5	0
108	The Sunscreen for Kindergarteners (SKIN) Study trial protocol. <i>Contemporary Clinical Trials</i> , 2021, 107, 106480.	0.8	0

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109	Statistical Considerations for Quantitative Imaging Measures in Clinical Trials. ICSA Book Series in Statistics, 2018, , 219-240.	0.0	0
110	Nervous system drugs taken by future fathers and birth defects in offspring: a prospective registry-based cohort study. BMJ Open, 2022, 12, e053946.	0.8	0