# Ying Lu

## List of Publications by Year
in descending order

| 110 papers | 5,245 citations | 147801<br>31 h-index | 88630<br>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. Journal of Bone and Mineral Research, 2004, 19, 1006-1012. | 2.8 | 685 |
| 2 | SEXTANT LOCALIZATION OF PROSTATE CANCER: COMPARISON OF SEXTANT BIOPSY, MAGNETIC RESONANCE IMAGING AND MAGNETIC RESONANCE SPECTROSCOPIC IMAGING WITH STEP SECTION HISTOLOGY. Journal of Urology, 2000, 164, 400-404. | 0.4 | 348 |
| 3 | Comparisons of Noninvasive Bone Mineral Measurements in Assessing Age-Related Loss, Fracture Discrimination, and Diagnostic Classification. Journal of Bone and Mineral Research, 1997, 12, 697-711. | 2.8 | 337 |
| 4 | Log-transformation and its implications for data analysis. Shanghai Archives of Psychiatry, 2014, 26, 105-9. | 0.7 | 294 |
| 5 | In Vivo High Resolution MRI of the Calcaneus: Differences in Trabecular Structure in Osteoporosis Patients. Journal of Bone and Mineral Research, 1998, 13, 1175-1182. | 2.8 | 261 |
| 6 | Adaptation of the Proximal Femur to Skeletal Reloading After Long-Duration Spaceflight. Journal of Bone and Mineral Research, 2006, 21, 1224-1230. | 2.8 | 243 |
| 7 | Standardization of Bone Mineral Density at Femoral Neck, Trochanter and Ward's Triangle. Osteoporosis International, 2001, 12, 438-444. | 3.1 | 200 |
| 8 | Universal Standardization of Bone Density Measurements: A Method with Optimal Properties for Calibration Among Several Instruments. Journal of Bone and Mineral Research, 1997, 12, 1463-1470. | 2.8 | 199 |
| 9 | MRI Phenotype Is Associated With Response to Doxorubicin and Cyclophosphamide Neoadjuvant Chemotherapy in Stage III Breast Cancer. Annals of Surgical Oncology, 2001, 8, 549-559. | 1.5 | 185 |
| 10 | The age of fathers in the USA is rising: an analysis of 168 867 480 births from 1972 to 2015. Human Reproduction, 2017, 32, 2110-2116. | 0.9 | 174 |
| 11 | Classification of Osteoporosis Based on Bone Mineral Densities. Journal of Bone and Mineral Research, 2001, 16, 901-910. | 2.8 | 140 |
| 12 | Isolation and Visible Detection of Tumor-Derived Exosomes from Plasma. Analytical Chemistry, 2018, 90, 14207-14215. | 6.5 | 121 |
| 13 | Association of paternal age with perinatal outcomes between 2007 and 2016 in the United States: population based cohort study. BMJ: British Medical Journal, 2018, 363, k4372. | 2.3 | 118 |
| 14 | MR Imaging of the Breast in Patients with Positive Margins After Lumpectomy. American Journal of Roentgenology, 2000, 175, 1577-1584. | 2.2 | 100 |
| 15 | Long Noncoding RNA H19 Contributes to Cholangiocyte Proliferation and Cholestatic Liver Fibrosis in Biliary Atresia. Hepatology, 2019, 70, 1658-1673. | 7.3 | 100 |
| 16 | Trabecular Bone Mineral and Calculated Structure of Human Bone Specimens Scanned by Peripheral Quantitative Computed Tomography: Relation to Biomechanical Properties. Journal of Bone and Mineral Research, 1998, 13, 1783-1790. | 2.8 | 90 |
| 17 | Correlation of dynamic contrast-enhanced magnetic resonance imaging with histologic tumor grade: comparison of macromolecular and small-molecular contrast media. Pediatric Radiology, 1998, 28, 67-78. | 2.0 | 78 |
| 18 | Dual X-ray absorptiometry quality control: Comparison of visual examination and process-control charts. Journal of Bone and Mineral Research, 1996, 11, 626-637. | 2.8 | 77 |

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|---|---------|-----|-----------|
| 19 | Airtraq laryngoscope versus conventional Macintosh laryngoscope: a systematic review and meta-analysis. Anaesthesia, 2011, 66, 1160-1167. | 3.8 | 77 |
| 20 | Drug-eluting stents versus bare-metal stents in saphenous vein grafts: a double-blind, randomised trial. Lancet, The, 2018, 391, 1997-2007. | 13.7 | 70 |
| 21 | â€œSPOCUâ€: scaled polynomial constant unit activation function. Neural Computing and Applications, 2021, 33, 3385-3401. | 5.6 | 60 |
| 22 | An Update Survey of Academic Radiologists' Clinical Productivity. Journal of the American College of Radiology, 2008, 5, 817-826. | 1.8 | 58 |
| 23 | Identify fracture-critical regions inside the proximal femur using statistical parametric mapping. Bone, 2009, 44, 596-602. | 2.9 | 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. Biometrics, 2020, 76, 1157-1166. | 1.4 | 53 |
| 26 | Focal Fatty Infiltration of the Liver. American Journal of Roentgenology, 2001, 177, 1035-1039. | 2.2 | 51 |
| 27 | Morphometric texture analysis of spinal trabecular bone structure assessed using orthogonal radiographic projections. Medical Physics, 1998, 25, 2037-2045. | 3.0 | 41 |
| 28 | Cross-calibration, Least Significant Change and Quality Assurance in Multiple Dual-Energy X-ray Absorptiometry Scanner Environments: 2019 ISCD Official Position. Journal of Clinical Densitometry, 2019, 22, 472-483. | 1.2 | 38 |
| 29 | Voxel-based modeling and quantification of the proximal femur using inter-subject registration of quantitative CT images. Bone, 2007, 41, 888-895. | 2.9 | 37 |
| 30 | Multiplex detection of bacteria on an integrated centrifugal disk using bead-beating lysis and loop-mediated amplification. Scientific Reports, 2017, 7, 1460. | 3.3 | 36 |
| 31 | Reduced Graphene Oxide-Based Solid-Phase Extraction for the Enrichment and Detection of microRNA. Analytical Chemistry, 2017, 89, 10137-10140. | 6.5 | 36 |
| 32 | Physical activity and stress management during COVID-19: a longitudinal survey study. Psychology and Health, 2022, 37, 51-61. | 2.2 | 35 |
| 33 | P-values in genomics: Apparent precision masks high uncertainty. Molecular Psychiatry, 2014, 19, 1336-1340. | 7.9 | 34 |
| 34 | Preconception Antidiabetic Drugs in Men and Birth Defects in Offspring. Annals of Internal Medicine, 2022, 175, 665-673. | 3.9 | 34 |
| 35 | The Academic Radiologistâ€™s Clinical Productivity. Academic Radiology, 2005, 12, 1211-1223. | 2.5 | 33 |
| 36 | Differential Opioid Inhibition of C- and A??- Fiber Mediated Thermonociception After Stimulation of the Nucleus Raphe Magnus. Anesthesia and Analgesia, 2004, 98, 414-419. | 2.2 | 30 |

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|---|---|---|---|
| 37 | Design of VA Cooperative Study #591: CERV-PTSD, Comparative Effectiveness Research in Veterans with PTSD. Contemporary Clinical Trials, 2015, 41, 75-84. | 1.8 | 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. Cell Transplantation, 2010, 19, 55-65. | 2.5 | 29 |
| 39 | Whole brain voxel-wise analysis of single-subject serial DTI by permutation testing. NeuroImage, 2008, 39, 1693-1705. | 4.2 | 28 |
| 40 | Attenuation of subchondral bone abnormal changes in osteoarthritis by inhibition of SDF-1 signaling. Osteoarthritis and Cartilage, 2017, 25, 986-994. | 1.3 | 27 |
| 41 | On the non-inferiority of a diagnostic test based on paired observations. Statistics in Medicine, 2003, 22, 3029-3044. | 1.6 | 25 |
| 42 | Establishing a data monitoring committee for clinical trials. Shanghai Archives of Psychiatry, 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. Analytical Chemistry, 2019, 91, 7958-7964. | 6.5 | 23 |
| 44 | XRN2 promotes EMT and metastasis through regulating maturation of miR-10a. Oncogene, 2017, 36, 3925-3933. | 5.9 | 22 |
| 45 | Cordyceps sinensis protects against liver and heart injuries in a rat model of chronic kidney disease: a metabolomic analysis. Acta Pharmacologica Sinica, 2014, 35, 697-706. | 6.1 | 21 |
| 46 | Association between preconception paternal health and pregnancy loss in the USA: an analysis of US claims data. Human Reproduction, 2021, 36, 785-793. | 0.9 | 21 |
| 47 | A self-contained and fully integrated fluidic cassette system for multiplex nucleic acid detection of bacteriuria. Lab on A Chip, 2020, 20, 384-393. | 6.0 | 20 |
| 48 | A Highly Automated Mobile Laboratory for On-site Molecular Diagnostics in the COVID-19 Pandemic. Clinical Chemistry, 2021, 67, 672-683. | 3.2 | 19 |
| 49 | Cell electroporation with a three-dimensional microelectrode array on a printed circuit board. Bioelectrochemistry, 2015, 102, 35-41. | 4.6 | 17 |
| 50 | Potential Antigens Involved in Delayed Xenograft Rejection in a Ggta1/Cmah Dko Pig-to-Monkey Model. Scientific Reports, 2017, 7, 10024. | 3.3 | 17 |
| 51 | Parental age and stillbirth: a population-based cohort of nearly 10 million California deliveries from 1991 to 2011. Annals of Epidemiology, 2019, 31, 32-37.e2. | 1.9 | 16 |
| 52 | The optimal linear combination of multiple predictors under the generalized linear models. Statistics and Probability Letters, 2009, 79, 2321-2327. | 0.7 | 15 |
| 53 | In vitro hyperthermia studied in a continuous manner using electric impedance sensing. RSC Advances, 2015, 5, 62007-62016. | 3.6 | 15 |
| 54 | Development and application of a diagnostic algorithm for posttraumatic stress disorder. Psychiatry Research - Neuroimaging, 2015, 231, 1-7. | 1.8 | 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. Medical Decision Making, 2008, 28, 909-916. | 2.4 | 13 |
| 56 | Bone fracture risk estimation based on image similarity. Bone, 2009, 45, 560-567. | 2.9 | 13 |
| 57 | Sensitive and Rapid Diagnosis of Respiratory Virus Coinfection Using a Microfluidic Chip–Powered CRISPR/Cas12a System. Small, 2022, 18, . | 10.0 | 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?. Clinical and Experimental Metastasis, 2017, 34, 345-350. | 3.3 | 11 |
| 59 | A Microfluidic-Based SNP Genotyping Method for Hereditary Hearing-Loss Detection. Analytical Chemistry, 2019, 91, 6111-6117. | 6.5 | 11 |
| 60 | Design of randomized controlled confirmatory trials using historical control data to augment sample size for concurrent controls. Journal of Biopharmaceutical Statistics, 2019, 29, 558-573. | 0.8 | 11 |
| 61 | Rationale and design of the Drug–Eluting Stents vs Bare–Metal Stents in Saphenous Vein Graft Angioplasty (DIVA) Trial. Clinical Cardiology, 2017, 40, 946-954. | 1.8 | 10 |
| 62 | Receipt of Eye Care Services among Medicare Beneficiaries with and without Dementia. Ophthalmology, 2020, 127, 1000-1011. | 5.2 | 10 |
| 63 | Cancer cell-intrinsic STING is associated with CD8‰+‰T-cell infiltration and might serve as a potential immunotherapeutic target in hepatocellular carcinoma. Clinical and Translational Oncology, 2021, 23, 1314-1324. | 2.4 | 9 |
| 64 | Prevalence of Multimorbidity of Chronic Noncommunicable Diseases in Brazil: Population-Based Study. JMIR Public Health and Surveillance, 2021, 7, e29693. | 2.6 | 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. European Journal of Endocrinology, 1991, 124, 449-454. | 3.7 | 8 |
| 66 | Differences in Cataract Surgery Rates Based on Dementia Status. Journal of Alzheimer's Disease, 2019, 69, 423-432. | 2.6 | 8 |
| 67 | Cataract Surgery Complexity and Surgical Complication Rates Among Medicare Beneficiaries With and Without Dementia. American Journal of Ophthalmology, 2021, 221, 27-38. | 3.3 | 8 |
| 68 | Validation of Deep Learning–based Augmentation for Reduced ^{18}F-FDG Dose for PET/MRI in Children and Young Adults with Lymphoma. Radiology: Artificial Intelligence, 2021, 3, e200232. | 5.8 | 8 |
| 69 | Receiver operating characteristic (ROC) analysis for diagnostic examinations with uninterpretable cases. Statistics in Medicine, 2002, 21, 1849-1865. | 1.6 | 7 |
| 70 | Permutation test for non-inferiority of the linear to the optimal combination of multiple tests. Statistics and Probability Letters, 2009, 79, 664-669. | 0.7 | 7 |
| 71 | Statistical Considerations for Sequential Analysis of the Restricted Mean Survival Time for Randomized Clinical Trials. Statistics in Biopharmaceutical Research, 2021, 13, 210-218. | 0.8 | 7 |
| 72 | Risk of pre-term births and major birth defects resulting from paternal intake of COVID-19 medications prior to conception. BMC Research Notes, 2020, 13, 509. | 1.4 | 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. Preventive Medicine Reports, 2021, 23, 101451. | 1.8 | 6 |
| 74 | Reduction of sampling bias of odds ratios for vertebral fractures using propensity scores. Osteoporosis International, 2006, 17, 507-520. | 3.1 | 5 |
| 75 | Highly uniform in-situ cell electrotransfection of adherent cultures using grouped interdigitated electrodes. Bioelectrochemistry, 2020, 132, 107435. | 4.6 | 5 |
| 76 | Paternal prescription medication before conception: A retrospective cohort study of all births in Denmark 1997–2017. Scandinavian Journal of Public Health, 2021, 49, 140349482098746. | 2.3 | 5 |
| 77 | Metabolomic Profiles of Plasma Retinol-Associated Dyslipidemia in Men and Women. Frontiers in Nutrition, 2021, 8, 740435. | 3.7 | 5 |
| 78 | Functional Loss and Mortality in Randomized Clinical Trials for Amyotrophic Lateral Sclerosis: To Combine, or Not to Combine—That is the Estimand. Clinical Pharmacology and Therapeutics, 2022, 111, 817-825. | 4.7 | 5 |
| 79 | A simple Bayesian decision-theoretic design for dose-finding trials. Statistics in Medicine, 2012, 31, 3719-3730. | 1.6 | 4 |
| 80 | Parental age and preterm birth: a population-based cohort of nearly 3 million California livebirths from 2007 to 2012. Journal of Perinatology, 2021, 41, 2156-2164. | 2.0 | 4 |
| 81 | A portable sperm cell purification instrument based on continuous flow acoustophoretic separation of sperm cells for on-site forensic sample pretreatment. Lab on A Chip, 2021, 21, 933-941. | 6.0 | 4 |
| 82 | In-Stent Restenosis in Saphenous Vein Grafts (from the DIVA Trial). American Journal of Cardiology, 2022, 162, 24-30. | 1.6 | 4 |
| 83 | Daytime napping is associated with retinal microcirculation: a large population-based study in China. Sleep, 2022, 45, . | 1.1 | 4 |
| 84 | A statistical method (cross-validation) for bone loss region detection after spaceflight. Australasian Physical and Engineering Sciences in Medicine, 2010, 33, 163-169. | 1.3 | 3 |
| 85 | Evaluating the improvement in diagnostic utility from adding new predictors. Biometrical Journal, 2010, 52, 417-435. | 1.0 | 3 |
| 86 | Rbfox3/NeuN Regulates Alternative Splicing of Tau Exon 10. Journal of Alzheimer's Disease, 2018, 66, 1695-1704. | 2.6 | 3 |
| 87 | Fredholm integral relation between compound estimation and prediction (FIRCEP). Stochastic Analysis and Applications, 2020, 38, 427-459. | 1.5 | 3 |
| 88 | Extensions of empirical likelihood and chi-squared-based tests for ordered alternatives. Journal of Applied Statistics, 2022, 49, 24-43. | 1.3 | 3 |
| 89 | A Curve-Free Bayesian Decision-Theoretic Design for Phase Ia/Ib Trials Considering Both Safety and Efficacy Outcomes. Statistics in Biosciences, 2020, 12, 146-166. | 1.2 | 3 |
| 90 | Characterization of dietary patterns and assessment of their relationships with metabolomic profiles: A community-based study. Clinical Nutrition, 2021, 40, 3531-3541. | 5.0 | 3 |

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|---|---------|-----|-----------|
| 91 | A curve-free Bayesian decision-theoretic design for two-agent Phase I trials. Journal of Biopharmaceutical Statistics, 2017, 27, 34-43. | 0.8 | 2 |
| 92 | MRI Phenotype Is Associated With Response to Doxorubicin and Cyclophosphamide Neoadjuvant Chemotherapy in Stage III Breast Cancer. Annals of Surgical Oncology, 2001, 8, 549-559. | 1.5 | 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. Blood, 2021, 138, 3885-3885. | 1.4 | 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. Blood, 2021, 138, 98-98. | 1.4 | 2 |
| 95 | REDACS: Regional emergency-driven adaptive cluster sampling for effective COVID-19 management. Stochastic Analysis and Applications, 2023, 41, 474-508. | 1.5 | 2 |
| 96 | Joint modeling of endpoints can be used to answer various research questions in randomized clinical trials. Journal of Clinical Epidemiology, 2022, 147, 32-39. | 5.0 | 2 |
| 97 | A Composite Endpoint for Treatment Benefit According to Patient Preference. Statistics in Biopharmaceutical Research, 0, , 1-25. | 0.8 | 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. Medical Decision Making, 2011, 31, 299-307. | 2.4 | 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. Academic Radiology, 2016, 23, 529-530. | 2.5 | 1 |
| 102 | Statistical Methods in Precision Oncology. Journal of Clinical Oncology, 2020, 38, 660-661. | 1.6 | 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. Archivio Italiano Di Urologia Andrologia, 2020, 92, . | 0.8 | 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. Statistics in Biopharmaceutical Research, 2012, 4, 324-335. | 0.8 | 0 |
| 107 | A Collection of Statistical Methods for Precision Oncology. JCO Precision Oncology, 2019, 3, 1-3. | 3.0 | 0 |
| 108 | The Sunscreen for Kindergarteners (SKIN) Study trial protocol. Contemporary Clinical Trials, 2021, 107, 106480. | 1.8 | 0 |

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|---|---------|-----|-----------|
| 109 | Statistical Considerations for Quantitative Imaging Measures in Clinical Trials. ICSA Book Series in Statistics, 2018, , 219-240. | 0.2 | 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. | 1.9 | 0 |