

# Keh-Sung Tsai

## List of Publications by Year in descending order

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84  
papers

3,606  
citations

117453

34  
h-index

138251

58  
g-index

86  
all docs

86  
docs citations

86  
times ranked

4836  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Hepatitis B Virus Infection in Children and Adolescents in a Hyperendemic Area: 15 Years after Mass Hepatitis B Vaccination. <i>Annals of Internal Medicine</i> , 2001, 135, 796.                       | 2.0  | 311       |
| 2  | Clinical relevance of hepatitis B virus genotype in children with chronic infection and hepatocellular carcinoma. <i>Gastroenterology</i> , 2004, 127, 1733-1738.                                       | 0.6  | 197       |
| 3  | Fracture liaison services improve outcomes of patients with osteoporosis-related fractures: A systematic literature review and meta-analysis. <i>Bone</i> , 2018, 111, 92-100.                          | 1.4  | 189       |
| 4  | Arsenic induces apoptosis in myoblasts through a reactive oxygen species-induced endoplasmic reticulum stress and mitochondrial dysfunction pathway. <i>Archives of Toxicology</i> , 2012, 86, 923-933. | 1.9  | 141       |
| 5  | Characterization of FN1-FGFR1 and novel FN1-FGF1 fusion genes in a large series of phosphaturic mesenchymal tumors. <i>Modern Pathology</i> , 2016, 29, 1335-1346.                                      | 2.9  | 139       |
| 6  | Acetylation of Yeast AMPK Controls Intrinsic Aging Independently of Caloric Restriction. <i>Cell</i> , 2011, 146, 969-979.  | 13.5 | 133       |
| 7  | Identification of a novel FN1-FGFR1 genetic fusion as a frequent event in phosphaturic mesenchymal tumour. <i>Journal of Pathology</i> , 2015, 235, 539-545.  | 2.1  | 120       |
| 8  | Body-Mass Index and Progression of Hepatitis B: A Population-Based Cohort Study in Men. <i>Journal of Clinical Oncology</i> , 2008, 26, 5576-5582.  | 0.8  | 119       |
| 9  | Ganoderic acid X, a lanostanoid triterpene, inhibits topoisomerases and induces apoptosis of cancer cells. <i>Life Sciences</i> , 2005, 77, 252-265.  | 2.0  | 117       |
| 10 | Advanced glycation end-products induce skeletal muscle atrophy and dysfunction in diabetic mice via a RAGE-mediated, AMPK-downregulated, Akt pathway. <i>Journal of Pathology</i> , 2016, 238, 470-482. | 2.1  | 113       |
| 11 | Effectiveness and Limitations of Hand Hygiene Promotion on Decreasing Healthcare-Associated Infections. <i>PLoS ONE</i> , 2011, 6, e27163.  | 1.1  | 93        |
| 12 | Long-term tracking of hepatitis B viral load and the relationship with risk for hepatocellular carcinoma in men. <i>Carcinogenesis</i> , 2008, 29, 106-112.   | 1.3  | 81        |
| 13 | Skeletal muscle mass adjusted by height correlated better with muscular functions than that adjusted by body weight in defining sarcopenia. <i>Scientific Reports</i> , 2016, 6, 19457.                 | 1.6  | 79        |
| 14 | Arsenic Inhibits Myogenic Differentiation and Muscle Regeneration. <i>Environmental Health Perspectives</i> , 2010, 118, 949-956.   | 2.8  | 73        |
| 15 | Viremia Profiles in Children With Chronic Hepatitis B Virus Infection and Spontaneous e Antigen Seroconversion. <i>Gastroenterology</i> , 2007, 132, 2340-2345.   | 0.6  | 72        |
| 16 | Clinical practice guidelines for the prevention and treatment of osteoporosis in Taiwan: summary. <i>Journal of Bone and Mineral Metabolism</i> , 2014, 32, 10-16.                                      | 1.3  | 69        |
| 17 | Association Between the Metabolome and Low Bone Mineral Density in Taiwanese Women Determined by 1H NMR Spectroscopy. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 212-222.                  | 3.1  | 69        |
| 18 | Peripheral differential leukocyte counts in humans vary with hyperlipidemia, smoking, and body mass index. <i>Lipids</i> , 2001, 36, 237-245.   | 0.7  | 65        |

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|----|--|-----|-----------|
| 19 | Lack of independent relationship between plasma adiponectin, leptin levels and bone density in nondiabetic female adolescents. <i>Clinical Endocrinology</i> , 2004, 61, 204-208.  | 1.2 | 62        |
| 20 | Precore stop codon mutant in chronic hepatitis B virus infection in children: its relation to hepatitis B e seroconversion and maternal hepatitis B surface antigen. <i>Journal of Hepatology</i> , 1998, 28, 915-922.       | 1.8 | 59        |
| 21 | The effects of apolipoprotein E polymorphism on the distribution of lipids and lipoproteins in the Chinese population. <i>Atherosclerosis</i> , 1995, 114, 55-59.  | 0.4 | 57        |
| 22 | Comparison of bone mineral content among Japanese, Koreans, and Taiwanese assessed by dual-photon absorptiometry. <i>Journal of Bone and Mineral Research</i> , 1992, 7, 153-159.  | 3.1 | 57        |
| 23 | Insulin, glucose and hepatocellular carcinoma risk in male hepatitis B carriers: results from 17-year follow-up of a population-based cohort. <i>Carcinogenesis</i> , 2011, 32, 876-881.                                     | 1.3 | 53        |
| 24 | PPAR $\gamma$ is involved in the hyperglycemia-induced inflammatory responses and collagen degradation in human chondrocytes and diabetic mouse cartilages. <i>Journal of Orthopaedic Research</i> , 2015, 33, 373-381.      | 1.2 | 53        |
| 25 | Arsenic Exposure and Glucose Intolerance/Insulin Resistance in Estrogen-Deficient Female Mice. <i>Environmental Health Perspectives</i> , 2015, 123, 1138-1144.  | 2.8 | 52        |
| 26 | Advanced glycation end-products induced VEGF production and inflammatory responses in human synoviocytes via RAGE-NF- $\kappa$ B pathway activation. <i>Journal of Orthopaedic Research</i> , 2016, 34, 791-800.             | 1.2 | 50        |
| 27 | Bone Responsiveness to Parathyroid Hormone in Normal and Osteoporotic Postmenopausal Women *. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1989, 69, 1024-1027.   | 1.8 | 47        |
| 28 | Bone mineral density of normal Chinese women in Taiwan. <i>Calcified Tissue International</i> , 1991, 48, 161-166.   | 1.5 | 45        |
| 29 | Advanced Glycation End-Products Induce Apoptosis in Pancreatic Islet Endothelial Cells via NF- $\kappa$ B-Activated Cyclooxygenase-2/Prostaglandin E2 Up-Regulation. <i>PLoS ONE</i> , 2015, 10, e0124418.                   | 1.1 | 45        |
| 30 | Hepatitis B Virus Core Variants Modify Natural Course of Viral Infection and Hepatocellular Carcinoma Progression. <i>Gastroenterology</i> , 2009, 137, 1687-1697.   | 0.6 | 38        |
| 31 | Identification of Three Novel Mutations in the GATA3 Gene Responsible for Familial Hypoparathyroidism and Deafness in the Chinese Population. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 4587-4592. | 1.8 | 37        |
| 32 | Effects of Gender and Age Differences on the Distribution of Bone Content in the Third Lumbar Vertebra. <i>Spine</i> , 2001, 26, 964-968.  | 1.0 | 36        |
| 33 | Effects of Arsenic on Osteoblast Differentiation <i>in Vitro</i> and on Bone Mineral Density and Microstructure in Rats. <i>Environmental Health Perspectives</i> , 2014, 122, 559-565.                                      | 2.8 | 36        |
| 34 | Consensus Statement on the Use of Bone Turnover Markers for Short-Term Monitoring of Osteoporosis Treatment in the Asia-Pacific Region. <i>Journal of Clinical Densitometry</i> , 2021, 24, 3-13.                            | 0.5 | 35        |
| 35 | Reduced Flexibility Associated with Metabolic Syndrome in Community-Dwelling Elders. <i>PLoS ONE</i> , 2015, 10, e0117167.   | 1.1 | 35        |
| 36 | The Risk of Osteonecrosis of the Jaws in Taiwanese Osteoporotic Patients Treated With Oral Alendronate or Raloxifene. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 2729-2735.                         | 1.8 | 34        |

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|----|--|-----|-----------|
| 37 | Ovarian Cancer-Related Hypophosphatemic Osteomalacia—A Case Report. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 4403-4407.   | 1.8 | 31        |
| 38 | A 12-Year Ecological Study of Hip Fracture Rates among Older Taiwanese Adults. <i>Calcified Tissue International</i> , 2013, 93, 397-404.  | 1.5 | 29        |
| 39 | The effects of intravenous zoledronic acid in Chinese women with postmenopausal osteoporosis. <i>Journal of Bone and Mineral Metabolism</i> , 2011, 29, 328-333.   | 1.3 | 28        |
| 40 | The Milk-Alkali Syndrome Caused by Betelnuts in Oyster Shell Paste. <i>Journal of Toxicology: Clinical Toxicology</i> , 1996, 34, 741-745.   | 1.5 | 27        |
| 41 | The influence of alendronate and tooth extraction on the incidence of osteonecrosis of the jaw among osteoporotic subjects. <i>PLoS ONE</i> , 2018, 13, e0196419.  | 1.1 | 24        |
| 42 | Endonuclease V-mediated deoxyinosine excision repair in vitro. <i>DNA Repair</i> , 2010, 9, 1073-1079.   | 1.3 | 23        |
| 43 | The development of Taiwan Fracture Liaison Service network. <i>Osteoporosis and Sarcopenia</i> , 2018, 4, 47-52.   | 0.7 | 21        |
| 44 | Molecular Epidemiology of G9 Rotaviruses in Taiwan between 2000 and 2002. <i>Journal of Clinical Microbiology</i> , 2006, 44, 3686-3694.   | 1.8 | 20        |
| 45 | Effects of exercise improves muscle strength and fat mass in patients with high fracture risk: A randomized control trial. <i>Journal of the Formosan Medical Association</i> , 2018, 117, 572-582.  | 0.8 | 20        |
| 46 | Low-serum, high-density lipoprotein cholesterol concentration is an important coronary risk factor in chinese patients with low serum levels of total cholesterol and triglyceride. <i>American Journal of Cardiology</i> , 1996, 77, 1112-1115. | 0.7 | 19        |
| 47 | Atypical Femoral Fractures Shortly After Osteonecrosis of the Jaw in a Postmenopausal Woman Taking Alendronate for Osteoporosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E723-E726.                                  | 1.8 | 19        |
| 48 | Consensus of Official Position of IOF/ISCD FRAX Initiatives in Asia-Pacific Region. <i>Journal of Clinical Densitometry</i> , 2014, 17, 150-155.   | 0.5 | 19        |
| 49 | Low-Dose Benzo(a)pyrene and Its Epoxide Metabolite Inhibit Myogenic Differentiation in Human Skeletal Muscle-Derived Progenitor Cells. <i>Toxicological Sciences</i> , 2014, 138, 344-353.   | 1.4 | 17        |
| 50 | Effects of high-dose phytoestrogens on circulating cellular microparticles and coagulation function in postmenopausal women. <i>Journal of the Formosan Medical Association</i> , 2015, 114, 710-716.  | 0.8 | 17        |
| 51 | Alcoholism, Hepatitis B and C Viral Infections, and Impaired Liver Function among Taiwanese Aboriginal Groups. <i>American Journal of Epidemiology</i> , 1996, 143, 936-942.   | 1.6 | 16        |
| 52 | Certainties and Uncertainties Facing Emerging Respiratory Infectious Diseases: Lessons from SARS. <i>Journal of the Formosan Medical Association</i> , 2008, 107, 432-442.   | 0.8 | 16        |
| 53 | Establishing and evaluating FRAX <sup>®</sup> probability thresholds in Taiwan. <i>Journal of the Formosan Medical Association</i> , 2017, 116, 161-168.   | 0.8 | 16        |
| 54 | Risk Factors for Poor Functional Recovery, Mortality, Recurrent Fractures, and Falls Among Patients Participating in a Fracture Liaison Service Program. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 1129-1136.e1.  | 1.2 | 16        |

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|----|--|-----|-----------|
| 55 | The effects of weekly alendronate therapy in Taiwanese males with osteoporosis. <i>Journal of Bone and Mineral Metabolism</i> , 2010, 28, 328-333.   | 1.3 | 15        |
| 56 | Effects of Long-Term Use of Raloxifene, a Selective Estrogen Receptor Modulator, on Thyroid Function Test Profiles. <i>Clinical Chemistry</i> , 2001, 47, 1865-1867.   | 1.5 | 14        |
| 57 | Effects of Raloxifene, One of the Selective Estrogen Receptor Modulators, on Pituitaryâ€“Ovary Axis and Prolactin in Postmenopausal Women. <i>Endocrine</i> , 2004, 23, 215-218.   | 2.2 | 14        |
| 58 | Consensus on best practice standards for Fracture Liaison Service in the Asia-Pacific region. <i>Archives of Osteoporosis</i> , 2018, 13, 59.  | 1.0 | 14        |
| 59 | Pharmacologic intervention for prevention of fractures in osteopenic and osteoporotic postmenopausal women: Systemic review and meta-analysis. <i>Bone Reports</i> , 2020, 13, 100729.   | 0.2 | 14        |
| 60 | Effects of Intraperitoneal Antibiotics on Human Peritoneal Mesothelial Cell Growth. <i>Nephron</i> , 1996, 74, 694-700.  | 0.6 | 13        |
| 61 | Vitamin D status in non-supplemented postmenopausal Taiwanese women with osteoporosis and fragility fracture. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 257.  | 0.8 | 12        |
| 62 | Iron Overload Associated Endocrine Dysfunction Leading to Lower Bone Mineral Density in Thalassemia Major. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e1015-e1024.                                       | 1.8 | 12        |
| 63 | Hepatitis A vaccine in healthy adults: a comparison of immunogenicity and reactogenicity between two- and three-dose regimens. <i>Vaccine</i> , 1999, 17, 26-30.   | 1.7 | 11        |
| 64 | Interaction of Nick-directed DNA Mismatch Repair and Loop Repair in Human Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 30228-30235.  | 1.6 | 11        |
| 65 | Low-Concentration Arsenic Trioxide Inhibits Skeletal Myoblast Cell Proliferation via a Reactive Oxygen Species-Independent Pathway. <i>PLoS ONE</i> , 2015, 10, e0137907.  | 1.1 | 9         |
| 66 | Predicting the risk of osteopenia for women aged 40â€“55 years. <i>Journal of the Formosan Medical Association</i> , 2017, 116, 888-896.   | 0.8 | 8         |
| 67 | Fracture liaison services improve outcomes of patients with osteoporosis-related fractures: A systematic literature review and meta-analysis. <i>Osteoporosis and Sarcopenia</i> , 2017, 3, S51-S52.                               | 0.7 | 8         |
| 68 | Association of Renal Function and Menopausal Status with Bone Mineral Density in Middle-aged Women. <i>Scientific Reports</i> , 2015, 5, 14956.  | 1.6 | 7         |
| 69 | Fracture types affect clinical outcomes of patients managed within the fracture liaison and osteoporosis medication management services. <i>Scientific Reports</i> , 2019, 9, 10089.   | 1.6 | 7         |
| 70 | Morphological and Immunocytochemical Characterization of Osteoblast Cultures from Long Bones of Neonatal Rats.. <i>Archives of Histology and Cytology</i> , 1992, 55, 415-422.   | 0.2 | 6         |
| 71 | Chronic kidney disease predicts a lower probability of improvement in patient-reported experience measures among patients with fractures: a prospective multicenter cohort study. <i>Archives of Osteoporosis</i> , 2018, 13, 126. | 1.0 | 6         |
| 72 | A Retrospective Hospital-based Study of Coronary Risk Factors in Taiwan. Analysis of Patients with Established Diagnoses.. <i>International Heart Journal</i> , 1998, 39, 435-444.   | 0.6 | 6         |

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|----|---|-----|-----------|
| 73 | Different Age-Related Trends of Bone and Nonbone Forms of Alkaline Phosphatase in Chinese Men and Women. <i>Clinical Chemistry</i> , 1997, 43, 186-188.   | 1.5 | 4         |
| 74 | Estimated Risk Score for Spine Fracture in the Specific Bending Activity of Normal Taiwanese Men and Women. <i>Spine</i> , 2005, 30, 2288-2292.   | 1.0 | 4         |
| 75 | Secondary hyperparathyroidism as a palpable intrathyroid parathyroid gland in a patient with hypophosphatemic osteomalacia. <i>Journal of Bone and Mineral Metabolism</i> , 2006, 24, 114-117.                                  | 1.3 | 4         |
| 76 | Association between Secreted Phosphoprotein-1 (SPP1) Polymorphisms and Low Bone Mineral Density in Women. <i>PLoS ONE</i> , 2014, 9, e97428.  | 1.1 | 4         |
| 77 | Nick-Directed Repair of Palindromic Loop Mismatches in Human Cell Extracts. <i>Journal of Biomedical Science</i> , 2005, 12, 659-669.   | 2.6 | 3         |
| 78 | Final Declaration of the Asian Metaforum on the Role of Vitamin D and the Management of Osteoporosis. <i>Public Health Nutrition</i> , 2009, 12, 578.   | 1.1 | 3         |
| 79 | Who Can Pass the ISCD Professional Certification Course? The 8-Yr Experience in Taiwan. <i>Journal of Clinical Densitometry</i> , 2011, 14, 22-27.  | 0.5 | 3         |
| 80 | Encouraging appropriate osteoporosis medication to prevent fracture. <i>Osteoporosis and Sarcopenia</i> , 2016, 2, 117.   | 0.7 | 1         |
| 81 | Epidemiology of Osteoporosis in Taiwan. , 2021, , 3-10.   |     | 1         |
| 82 | Pharmaceutical Treatment for Spinal Osteoporosis: Bisphosphonates, Denosumab, SERMs and Teriparatide. , 2021, , 157-169.  |     | 1         |
| 83 | Osteoporosis of the Spine. , 2021, , .  |     | 1         |
| 84 | The Differences of Osteoporosis Awareness and its Association with 10-Year Fracture Risks Between Female Breast Cancer Survivors Before and After Menopause Age. <i>International Journal of Gerontology</i> , 2016, 10, 33-36. | 0.7 | 0         |