# John P Kemp

## List of Publications by Year in Descending Order



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| 112 papers | 11,089 citations | 53 h-index | 105 g-index |
| 120 ext. papers | 14,375 ext. citations | 13.6 avg, IF | 4.73 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 112 | Regenerating zebrafish scales express a subset of evolutionary conserved genes involved in human skeletal disease.. *BMC Biology*, **2022**, 20, 21 | 7.3 | 3 |
| 111 | Limb development genes underlie variation in human fingerprint patterns.. *Cell*, **2022**, 185, 95-112.e18 | 56.2 | 2 |
| 110 | Investigating a Potential Causal Relationship Between Maternal Blood Pressure During Pregnancy and Future Offspring Cardiometabolic Health. *Hypertension*, **2022**, 79, 170-177 | 8.5 | 1 |
| 109 | Dnmt3a-mutated clonal hematopoiesis promotes osteoporosis. *Journal of Experimental Medicine*, **2021**, 218, | 16.6 | 9 |
| 108 | Osteoclasts recycle via osteomorphs during RANKL-stimulated bone resorption. *Cell*, **2021**, 184, 1330-1347.e13 | 56.2 | 49 |
| 107 | Osteocyte transcriptome mapping identifies a molecular landscape controlling skeletal homeostasis and susceptibility to skeletal disease. *Nature Communications*, **2021**, 12, 2444 | 17.4 | 12 |
| 106 | Genome-wide association study identifies 48 common genetic variants associated with handedness. *Nature Human Behaviour*, **2021**, 5, 59-70 | 12.8 | 33 |
| 105 | Genome-wide association study of circulating interleukin 6 levels identifies novel loci. *Human Molecular Genetics*, **2021**, 30, 393-409 | 5.6 | 6 |
| 104 | Genetic predisposition to hypertension is associated with preeclampsia in European and Central Asian women. *Nature Communications*, **2020**, 11, 5976 | 17.4 | 30 |
| 103 | The Effect of Plasma Lipids and Lipid-Lowering Interventions on Bone Mineral Density: A Mendelian Randomization Study. *Journal of Bone and Mineral Research*, **2020**, 35, 1224-1235 | 6.3 | 19 |
| 102 | Development of a polygenic risk score to improve screening for fracture risk: A genetic risk prediction study. *PLoS Medicine*, **2020**, 17, e1003152 | 11.6 | 16 |
| 101 | The Musculoskeletal Knowledge Portal: Making Omics Data Useful to the Broader Scientific Community. *Journal of Bone and Mineral Research*, **2020**, 35, 1626-1633 | 6.3 | 8 |
| 100 | A Rare Mutation in SMAD9 Associated With High Bone Mass Identifies the SMAD-Dependent BMP Signaling Pathway as a Potential Anabolic Target for Osteoporosis. *Journal of Bone and Mineral Research*, **2020**, 35, 92-105 | 6.3 | 19 |
| 99 | Opportunities and Challenges in Functional Genomics Research in Osteoporosis: Report From a Workshop Held by the Causes Working Group of the Osteoporosis and Bone Research Academy of the Royal Osteoporosis Society on October 5th 2020. *Frontiers in Endocrinology*, **2020**, 11, 630875 | 5.7 | 2 |
| 98 | Development of a polygenic risk score to improve screening for fracture risk: A genetic risk prediction study **2020**, 17, e1003152 | | |
| 97 | Development of a polygenic risk score to improve screening for fracture risk: A genetic risk prediction study **2020**, 17, e1003152 | | |
| 96 | Development of a polygenic risk score to improve screening for fracture risk: A genetic risk prediction study **2020**, 17, e1003152 | | |

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| 95 | Development of a polygenic risk score to improve screening for fracture risk: A genetic risk prediction study **2020**, 17, e1003152 | | |
| 94 | Development of a polygenic risk score to improve screening for fracture risk: A genetic risk prediction study **2020**, 17, e1003152 | | |
| 93 | Development of a polygenic risk score to improve screening for fracture risk: A genetic risk prediction study **2020**, 17, e1003152 | | |
| 92 | A Metabolic Screen in Adolescents Reveals an Association Between Circulating Citrate and Cortical Bone Mineral Density. *Journal of Bone and Mineral Research*, **2019**, 34, 1306-1313 | 6.3 | 4 |
| 91 | Meta-Analysis of Genomewide Association Studies Reveals Genetic Variants for Hip Bone Geometry. *Journal of Bone and Mineral Research*, **2019**, 34, 1284-1296 | 6.3 | 16 |
| 90 | Use of Mendelian Randomization to Examine Causal Inference in Osteoporosis. *Frontiers in Endocrinology*, **2019**, 10, 807 | 5.7 | 10 |
| 89 | An atlas of genetic influences on osteoporosis in humans and mice. *Nature Genetics*, **2019**, 51, 258-266 | 36.3 | 270 |
| 88 | Discovery of the first genome-wide significant risk loci for attention deficit/hyperactivity disorder. *Nature Genetics*, **2019**, 51, 63-75 | 36.3 | 826 |
| 87 | Genome-wide association study identifies nine novel loci for 2D:4D finger ratio, a putative retrospective biomarker of testosterone exposure in utero. *Human Molecular Genetics*, **2018**, 27, 2025-2038 | 5.6 | 27 |
| 86 | Life-Course Genome-wide Association Study Meta-analysis of Total Body BMD and Assessment of Age-Specific Effects. *American Journal of Human Genetics*, **2018**, 102, 88-102 | 11 | 119 |
| 85 | Genome-wide association study of extreme high bone mass: Contribution of common genetic variation to extreme BMD phenotypes and potential novel BMD-associated genes. *Bone*, **2018**, 114, 62-71 | 4.7 | 25 |
| 84 | Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders. *American Journal of Human Genetics*, **2018**, 103, 691-706 | 11 | 151 |
| 83 | Genome-wide association meta-analysis highlights light-induced signaling as a driver for refractive error. *Nature Genetics*, **2018**, 50, 834-848 | 36.3 | 135 |
| 82 | Variants in the fetal genome near FLT1 are associated with risk of preeclampsia. *Nature Genetics*, **2017**, 49, 1255-1260 | 36.3 | 118 |
| 81 | Whole-Genome Sequencing Coupled to Imputation Discovers Genetic Signals for Anthropometric Traits. *American Journal of Human Genetics*, **2017**, 100, 865-884 | 11 | 74 |
| 80 | Bivariate genome-wide association meta-analysis of pediatric musculoskeletal traits reveals pleiotropic effects at the SREBF1/TOM1L2 locus. *Nature Communications*, **2017**, 8, 121 | 17.4 | 52 |
| 79 | Rare Variant Analysis of Human and Rodent Obesity Genes in Individuals with Severe Childhood Obesity. *Scientific Reports*, **2017**, 7, 4394 | 4.9 | 31 |
| 78 | LD Hub: a centralized database and web interface to perform LD score regression that maximizes the potential of summary level GWAS data for SNP heritability and genetic correlation analysis. *Bioinformatics*, **2017**, 33, 272-279 | 7.2 | 541 |

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| 77 | Evaluation of shared genetic aetiology between osteoarthritis and bone mineral density identifies SMAD3 as a novel osteoarthritis risk locus. *Human Molecular Genetics*, **2017**, 26, 3850-3858 | 5.6 | 34 |
| 76 | Identification of 153 new loci associated with heel bone mineral density and functional involvement of GPC6 in osteoporosis. *Nature Genetics*, **2017**, 49, 1468-1475 | 36.3 | 235 |
| 75 | Meta-analysis of gene-environment-wide association scans accounting for education level identifies additional loci for refractive error. *Nature Communications*, **2016**, 7, 11008 | 17.4 | 79 |
| 74 | Childhood gene-environment interactions and age-dependent effects of genetic variants associated with refractive error and myopia: The CREAM Consortium. *Scientific Reports*, **2016**, 6, 25853 | 4.9 | 57 |
| 73 | Common Genetic Variants Influence Whorls in Fingerprint Patterns. *Journal of Investigative Dermatology*, **2016**, 136, 859-862 | 4.3 | 14 |
| 72 | Meta-analysis of Genome-Wide Association Studies for Extraversion: Findings from the Genetics of Personality Consortium. *Behavior Genetics*, **2016**, 46, 170-82 | 3.2 | 122 |
| 71 | The case for genome-wide association studies of bone acquisition in paediatric and adolescent populations. *BoneKEy Reports*, **2016**, 5, 796 | | 5 |
| 70 | Using Mendelian randomization to investigate a possible causal relationship between adiposity and increased bone mineral density at different skeletal sites in children. *International Journal of Epidemiology*, **2016**, 45, 1560-1572 | 7.8 | 38 |
| 69 | A Genome-Wide Association Meta-Analysis of Attention-Deficit/Hyperactivity Disorder Symptoms in Population-Based Pediatric Cohorts. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2016**, 55, 896-905.e6 | 7.2 | 80 |
| 68 | A genome-wide approach to children's aggressive behavior: The EAGLE consortium. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2016**, 171, 562-72 | 3.5 | 111 |
| 67 | Genome-wide association study for refractive astigmatism reveals genetic co-determination with spherical equivalent refractive error: the CREAM consortium. *Human Genetics*, **2015**, 134, 131-46 | 6.3 | 20 |
| 66 | Heritability and genome-wide analyses of problematic peer relationships during childhood and adolescence. *Human Genetics*, **2015**, 134, 539-51 | 6.3 | 7 |
| 65 | Genome-wide association study of blood lead shows multiple associations near ALAD. *Human Molecular Genetics*, **2015**, 24, 3871-9 | 5.6 | 18 |
| 64 | The effects of height and BMI on prostate cancer incidence and mortality: a Mendelian randomization study in 20,848 cases and 20,214 controls from the PRACTICAL consortium. *Cancer Causes and Control*, **2015**, 26, 1603-16 | 2.8 | 56 |
| 63 | TCTEX1D2 mutations underlie Jeune asphyxiating thoracic dystrophy with impaired retrograde intraflagellar transport. *Nature Communications*, **2015**, 6, 7074 | 17.4 | 41 |
| 62 | Multi-ancestry genome-wide association study of 21,000 cases and 95,000 controls identifies new risk loci for atopic dermatitis. *Nature Genetics*, **2015**, 47, 1449-1456 | 36.3 | 329 |
| 61 | Genetic variants in adult bone mineral density and fracture risk genes are associated with the rate of bone mineral density acquisition in adolescence. *Human Molecular Genetics*, **2015**, 24, 4158-66 | 5.6 | 22 |
| 60 | Whole-genome sequencing identifies EN1 as a determinant of bone density and fracture. *Nature*, **2015**, 526, 112-7 | 50.4 | 308 |

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| 59 | The UK10K project identifies rare variants in health and disease. *Nature*, **2015**, 526, 82-90 | 50.4 | 776 |
| 58 | Improved imputation of low-frequency and rare variants using the UK10K haplotype reference panel. *Nature Communications*, **2015**, 6, 8111 | 17.4 | 186 |
| 57 | A novel common variant in DCST2 is associated with length in early life and height in adulthood. *Human Molecular Genetics*, **2015**, 24, 1155-68 | 5.6 | 77 |
| 56 | Genetic Sharing with Cardiovascular Disease Risk Factors and Diabetes Reveals Novel Bone Mineral Density Loci. *PLoS ONE*, **2015**, 10, e0144531 | 3.7 | 12 |
| 55 | Whole-genome sequence-based analysis of thyroid function. *Nature Communications*, **2015**, 6, 5681 | 17.4 | 56 |
| 54 | Meta-analysis of Genome-wide Association Studies for Neuroticism, and the Polygenic Association With Major Depressive Disorder. *JAMA Psychiatry*, **2015**, 72, 642-50 | 14.5 | 222 |
| 53 | A genome-wide association study of body mass index across early life and childhood. *International Journal of Epidemiology*, **2015**, 44, 700-12 | 7.8 | 92 |
| 52 | Sixteen new lung function signals identified through 1000 Genomes Project reference panel imputation. *Nature Communications*, **2015**, 6, 8658 | 17.4 | 79 |
| 51 | Associations of vitamin D pathway genes with circulating 25-hydroxyvitamin-D, 1,25-dihydroxyvitamin-D, and prostate cancer: a nested case-control study. *Cancer Causes and Control*, **2015**, 26, 205-218 | 2.8 | 28 |
| 50 | Incorporating Known Genetic Variants Does Not Improve the Accuracy of PSA Testing to Identify High Risk Prostate Cancer on Biopsy. *PLoS ONE*, **2015**, 10, e0136735 | 3.7 | 5 |
| 49 | A rare variant in APOC3 is associated with plasma triglyceride and VLDL levels in Europeans. *Nature Communications*, **2014**, 5, 4871 | 17.4 | 46 |
| 48 | Variability in the common genetic architecture of social-communication spectrum phenotypes during childhood and adolescence. *Molecular Autism*, **2014**, 5, 18 | 6.5 | 48 |
| 47 | Birth weight is positively related to bone size in adolescents but inversely related to cortical bone mineral density: findings from a large prospective cohort study. *Bone*, **2014**, 65, 77-82 | 4.7 | 10 |
| 46 | Cis and trans effects of human genomic variants on gene expression. *PLoS Genetics*, **2014**, 10, e1004461 | 6 | 92 |
| 45 | Novel approach identifies SNPs in SLC2A10 and KCNK9 with evidence for parent-of-origin effect on body mass index. *PLoS Genetics*, **2014**, 10, e1004508 | 6 | 45 |
| 44 | Phenotypic dissection of bone mineral density reveals skeletal site specificity and facilitates the identification of novel loci in the genetic regulation of bone mass attainment. *PLoS Genetics*, **2014**, 10, e1004423 | 6 | 107 |
| 43 | Genome-wide association study of height-adjusted BMI in childhood identifies functional variant in ADCY3. *Obesity*, **2014**, 22, 2252-9 | 8 | 53 |
| 42 | Genetic variation in prostate-specific antigen-detected prostate cancer and the effect of control selection on genetic association studies. *Cancer Epidemiology Biomarkers and Prevention*, **2014**, 23, 1356-1365 | 4 | 24 |

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| 41 | Common variation near ROBO2 is associated with expressive vocabulary in infancy. *Nature Communications*, **2014**, 5, 4831 | 17.4 | 54 |
| 40 | Childhood intelligence is heritable, highly polygenic and associated with FNBP1L. *Molecular Psychiatry*, **2014**, 19, 253-8 | 15.1 | 171 |
| 39 | Does bone resorption stimulate periosteal expansion? A cross-sectional analysis of ΕC-telopeptides of type I collagen (CTX), genetic markers of the RANKL pathway, and periosteal circumference as measured by pQCT. *Journal of Bone and Mineral Research*, **2014**, 29, 1015-24 | 6.3 | 23 |
| 38 | Fraction of exhaled nitric oxide values in childhood are associated with 17q11.2-q12 and 17q12-q21 variants. *Journal of Allergy and Clinical Immunology*, **2014**, 134, 46-55 | 11.5 | 27 |
| 37 | Meta-analysis of genome-wide association studies identifies ten loci influencing allergic sensitization. *Nature Genetics*, **2013**, 45, 902-906 | 36.3 | 191 |
| 36 | Body stature growth trajectories during childhood and the development of myopia. *Ophthalmology* , **2013**, 120, 1064-73.e1 | 7.3 | 35 |
| 35 | Genome-wide association and longitudinal analyses reveal genetic loci linking pubertal height growth, pubertal timing and childhood adiposity. *Human Molecular Genetics*, **2013**, 22, 2735-47 | 5.6 | 138 |
| 34 | Common variation contributes to the genetic architecture of social communication traits. *Molecular Autism*, **2013**, 4, 34 | 6.5 | 29 |
| 33 | Nine loci for ocular axial length identified through genome-wide association studies, including shared loci with refractive error. *American Journal of Human Genetics*, **2013**, 93, 264-77 | 11 | 116 |
| 32 | Examination of the relationship between variation at 17q21 and childhood wheeze phenotypes. *Journal of Allergy and Clinical Immunology*, **2013**, 131, 685-94 | 11.5 | 51 |
| 31 | Genome-wide association study identifies loci affecting blood copper, selenium and zinc. *Human Molecular Genetics*, **2013**, 22, 3998-4006 | 5.6 | 76 |
| 30 | Genome-wide meta-analyses of multiancestry cohorts identify multiple new susceptibility loci for refractive error and myopia. *Nature Genetics*, **2013**, 45, 314-8 | 36.3 | 314 |
| 29 | Meta-analysis of genome-wide studies identifies WNT16 and ESR1 SNPs associated with bone mineral density in premenopausal women. *Journal of Bone and Mineral Research*, **2013**, 28, 547-58 | 6.3 | 74 |
| 28 | Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. *Nature Genetics*, **2013**, 45, 621-31 | 36.3 | 219 |
| 27 | Distinct relationships of intramuscular and subcutaneous fat with cortical bone: findings from a cross-sectional study of young adult males and females. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, E1041-9 | 5.6 | 17 |
| 26 | Genetic determinants of trabecular and cortical volumetric bone mineral densities and bone microstructure. *PLoS Genetics*, **2013**, 9, e1003247 | 6 | 87 |
| 25 | Mining the human phenome using allelic scores that index biological intermediates. *PLoS Genetics*, **2013**, 9, e1003919 | 6 | 58 |
| 24 | Common variants in left/right asymmetry genes and pathways are associated with relative hand skill. *PLoS Genetics*, **2013**, 9, e1003751 | 6 | 112 |

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| 23 | Coordinated genetic scaling of the human eye: shared determination of axial eye length and corneal curvature **2013**, 54, 1715-21 | | 20 |
| 22 | Genetic influences on trajectories of systolic blood pressure across childhood and adolescence. *Circulation: Cardiovascular Genetics*, **2013**, 6, 608-14 | | 24 |
| 21 | Using genetic proxies for lifecourse sun exposure to assess the causal relationship of sun exposure with circulating vitamin d and prostate cancer risk. *Cancer Epidemiology Biomarkers and Prevention*, **2013**, 22, 597-606 | 4 | 19 |
| 20 | Genome-wide association study of primary tooth eruption identifies pleiotropic loci associated with height and craniofacial distances. *Human Molecular Genetics*, **2013**, 22, 3807-17 | 5.6 | 57 |
| 19 | New loci associated with birth weight identify genetic links between intrauterine growth and adult height and metabolism. *Nature Genetics*, **2013**, 45, 76-82 | 36.3 | 232 |
| 18 | A genome-wide association study for corneal curvature identifies the platelet-derived growth factor receptor gene as a quantitative trait locus for eye size in white Europeans. *Molecular Vision* , **2013**, 19, 243-53 | 2.3 | 30 |
| 17 | Seventy-five genetic loci influencing the human red blood cell. *Nature*, **2012**, 492, 369-75 | 50.4 | 257 |
| 16 | Genome-wide meta-analysis identifies 56 bone mineral density loci and reveals 14 loci associated with risk of fracture. *Nature Genetics*, **2012**, 44, 491-501 | 36.3 | 866 |
| 15 | A genome-wide association meta-analysis identifies new childhood obesity loci. *Nature Genetics*, **2012**, 44, 526-31 | 36.3 | 292 |
| 14 | Genome-wide association study of three-dimensional facial morphology identifies a variant in PAX3 associated with nasion position. *American Journal of Human Genetics*, **2012**, 90, 478-85 | 11 | 142 |
| 13 | Meta-analysis of genome-wide scans for total body BMD in children and adults reveals allelic heterogeneity and age-specific effects at the WNT16 locus. *PLoS Genetics*, **2012**, 8, e1002718 | 6 | 118 |
| 12 | WNT16 influences bone mineral density, cortical bone thickness, bone strength, and osteoporotic fracture risk. *PLoS Genetics*, **2012**, 8, e1002745 | 6 | 192 |
| 11 | Common variants at 12q15 and 12q24 are associated with infant head circumference. *Nature Genetics*, **2012**, 44, 532-538 | 36.3 | 94 |
| 10 | Meta-analysis of genome-wide association studies identifies three new risk loci for atopic dermatitis. *Nature Genetics*, **2011**, 44, 187-92 | 36.3 | 244 |
| 9 | Genome-wide population-based association study of extremely overweight young adults--the GOYA study. *PLoS ONE*, **2011**, 6, e24303 | 3.7 | 90 |
| 8 | Nuclear factors involved in mitochondrial translation cause a subgroup of combined respiratory chain deficiency. *Brain*, **2011**, 134, 183-95 | 11.2 | 64 |
| 7 | Adult height variants affect birth length and growth rate in children. *Human Molecular Genetics*, **2011**, 20, 4069-75 | 5.6 | 43 |
| 6 | Genome-wide association study using extreme truncate selection identifies novel genes affecting bone mineral density and fracture risk. *PLoS Genetics*, **2011**, 7, e1001372 | 6 | 199 |

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| 5 | Genome-wide association meta-analysis of cortical bone mineral density unravels allelic heterogeneity at the RANKL locus and potential pleiotropic effects on bone. *PLoS Genetics*, **2010**, 6, e1001217 | 6 | 59 |
| 4 | Molecular basis of infantile reversible cytochrome c oxidase deficiency myopathy. *Brain*, **2009**, 132, 3165-74 | 114 | 96 |
| 3 | Osteocyte Transcriptome Mapping Identifies a Molecular Landscape Controlling Skeletal Homeostasis and Susceptibility to Skeletal Disease | | 3 |
| 2 | An Atlas of Human and Murine Genetic Influences on Osteoporosis | | 3 |
| 1 | The effect of plasma lipids and lipid lowering interventions on bone mineral density: a Mendelian randomization study | | 3 |