

Sarah E Bergen

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

23,096
citations

38742

50
h-index

30922

102
g-index

112
all docs

112
docs citations

112
times ranked

26371
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Genetic relationship between five psychiatric disorders estimated from genome-wide SNPs. <i>Nature Genetics</i> , 2013, 45, 984-994. | 21.4 | 2,067 |
| 2 | Genome-wide association study identifies five new schizophrenia loci. <i>Nature Genetics</i> , 2011, 43, 969-976. | 21.4 | 1,758 |
| 3 | Genome-wide association analysis identifies 13 new risk loci for schizophrenia. <i>Nature Genetics</i> , 2013, 45, 1150-1159. | 21.4 | 1,395 |
| 4 | A polygenic burden of rare disruptive mutations in schizophrenia. <i>Nature</i> , 2014, 506, 185-190. | 27.8 | 1,305 |
| 5 | Large-scale genome-wide association analysis of bipolar disorder identifies a new susceptibility locus near ODZ4. <i>Nature Genetics</i> , 2011, 43, 977-983. | 21.4 | 1,283 |
| 6 | Genome-wide association study identifies 30 loci associated with bipolar disorder. <i>Nature Genetics</i> , 2019, 51, 793-803. | 21.4 | 1,191 |
| 7 | Modeling Linkage Disequilibrium Increases Accuracy of Polygenic Risk Scores. <i>American Journal of Human Genetics</i> , 2015, 97, 576-592. | 6.2 | 1,098 |
| 8 | Analysis of shared heritability in common disorders of the brain. <i>Science</i> , 2018, 360, . | 12.6 | 1,085 |
| 9 | Genomic Relationships, Novel Loci, and Pleiotropic Mechanisms across Eight Psychiatric Disorders. <i>Cell</i> , 2019, 179, 1469-1482.e11. | 28.9 | 935 |
| 10 | Mapping genomic loci implicates genes and synaptic biology in schizophrenia. <i>Nature</i> , 2022, 604, 502-508. | 27.8 | 929 |
| 11 | Contribution of copy number variants to schizophrenia from a genome-wide study of 41,321 subjects. <i>Nature Genetics</i> , 2017, 49, 27-35. | 21.4 | 838 |
| 12 | Psychiatric genome-wide association study analyses implicate neuronal, immune and histone pathways. <i>Nature Neuroscience</i> , 2015, 18, 199-209. | 14.8 | 701 |
| 13 | Genome-wide association study of more than 40,000 bipolar disorder cases provides new insights into the underlying biology. <i>Nature Genetics</i> , 2021, 53, 817-829. | 21.4 | 629 |
| 14 | Genomic Dissection of Bipolar Disorder and Schizophrenia, Including 28 Subphenotypes. <i>Cell</i> , 2018, 173, 1705-1715.e16. | 28.9 | 623 |
| 15 | Partitioning Heritability of Regulatory and Cell-Type-Specific Variants across 11 Common Diseases. <i>American Journal of Human Genetics</i> , 2014, 95, 535-552. | 6.2 | 569 |
| 16 | Discovery and Statistical Genotyping of Copy-Number Variation from Whole-Exome Sequencing Depth. <i>American Journal of Human Genetics</i> , 2012, 91, 597-607. | 6.2 | 513 |
| 17 | Age-Related Changes in Heritability of Behavioral Phenotypes Over Adolescence and Young Adulthood: A Meta-Analysis. <i>Twin Research and Human Genetics</i> , 2007, 10, 423-433. | 0.6 | 398 |
| 18 | Copy Number Variants in Schizophrenia: Confirmation of Five Previous Findings and New Evidence for 3q29 Microdeletions and VIPR2 Duplications. <i>American Journal of Psychiatry</i> , 2011, 168, 302-316. | 7.2 | 398 |

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|----|--|------|-----------|
| 19 | Relationship of Brain-Derived Neurotrophic Factor and Its Receptor TrkB to Altered Inhibitory Prefrontal Circuitry in Schizophrenia. <i>Journal of Neuroscience</i> , 2005, 25, 372-383. | 3.6 | 390 |
| 20 | Genomic and drug target evaluation of 90 cardiovascular proteins in 30,931 individuals. <i>Nature Metabolism</i> , 2020, 2, 1135-1148. | 11.9 | 327 |
| 21 | Copy number variation in schizophrenia in Sweden. <i>Molecular Psychiatry</i> , 2014, 19, 762-773. | 7.9 | 257 |
| 22 | Extremely low-coverage sequencing and imputation increases power for genome-wide association studies. <i>Nature Genetics</i> , 2012, 44, 631-635. | 21.4 | 239 |
| 23 | Genome-wide association study in a Swedish population yields support for greater CNV and MHC involvement in schizophrenia compared with bipolar disorder. <i>Molecular Psychiatry</i> , 2012, 17, 880-886. | 7.9 | 230 |
| 24 | Joint Analysis of Psychiatric Disorders Increases Accuracy of Risk Prediction for Schizophrenia, Bipolar Disorder, and Major Depressive Disorder. <i>American Journal of Human Genetics</i> , 2015, 96, 283-294. | 6.2 | 225 |
| 25 | Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. <i>Nature Neuroscience</i> , 2016, 19, 420-431. | 14.8 | 204 |
| 26 | Genome-wide association study of 40,000 individuals identifies two novel loci associated with bipolar disorder. <i>Human Molecular Genetics</i> , 2016, 25, 3383-3394. | 2.9 | 182 |
| 27 | Evidence for genetic heterogeneity between clinical subtypes of bipolar disorder. <i>Translational Psychiatry</i> , 2017, 7, e993-e993. | 4.8 | 162 |
| 28 | Genome-wide association study of borderline personality disorder reveals genetic overlap with bipolar disorder, major depression and schizophrenia. <i>Translational Psychiatry</i> , 2017, 7, e1155-e1155. | 4.8 | 150 |
| 29 | The Genetics of the Mood Disorder Spectrum: Genome-wide Association Analyses of More Than 185,000 Cases and 439,000 Controls. <i>Biological Psychiatry</i> , 2020, 88, 169-184. | 1.3 | 137 |
| 30 | Bipolar disorder and its relation to major psychiatric disorders: a family-based study in the Swedish population. <i>Bipolar Disorders</i> , 2015, 17, 184-193. | 1.9 | 119 |
| 31 | Estimation of Genetic Correlation via Linkage Disequilibrium Score Regression and Genomic Restricted Maximum Likelihood. <i>American Journal of Human Genetics</i> , 2018, 102, 1185-1194. | 6.2 | 119 |
| 32 | Validation of Electronic Health Record Phenotyping of Bipolar Disorder Cases and Controls. <i>American Journal of Psychiatry</i> , 2015, 172, 363-372. | 7.2 | 116 |
| 33 | Genome-Wide Association Study of Clinical Dimensions of Schizophrenia: Polygenic Effect on Disorganized Symptoms. <i>American Journal of Psychiatry</i> , 2012, 169, 1309-1317. | 7.2 | 112 |
| 34 | High density methylation QTL analysis in human blood via next-generation sequencing of the methylated genomic DNA fraction. <i>Genome Biology</i> , 2015, 16, 291. | 8.8 | 112 |
| 35 | Common DISC1 Polymorphisms Disrupt Wnt/GSK3 ^β Signaling and Brain Development. <i>Neuron</i> , 2011, 72, 545-558. | 8.1 | 110 |
| 36 | Schizophrenia and subsequent neighborhood deprivation: revisiting the social drift hypothesis using population, twin and molecular genetic data. <i>Translational Psychiatry</i> , 2016, 6, e796-e796. | 4.8 | 110 |

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|----|--|------|-----------|
| 37 | Joint Contributions of Rare Copy Number Variants and Common SNPs to Risk for Schizophrenia. <i>American Journal of Psychiatry</i> , 2019, 176, 29-35. | 7.2 | 104 |
| 38 | A Comparison of Ten Polygenic Score Methods for Psychiatric Disorders Applied Across Multiple Cohorts. <i>Biological Psychiatry</i> , 2021, 90, 611-620. | 1.3 | 103 |
| 39 | Suicidal Behavior During Lithium and Valproate Treatment: A Within-Individual 8-Year Prospective Study of 50,000 Patients With Bipolar Disorder. <i>American Journal of Psychiatry</i> , 2017, 174, 795-802. | 7.2 | 98 |
| 40 | Cerebrospinal fluid metabolomics identifies a key role of isocitrate dehydrogenase in bipolar disorder: evidence in support of mitochondrial dysfunction hypothesis. <i>Molecular Psychiatry</i> , 2016, 21, 1504-1510. | 7.9 | 95 |
| 41 | Pyramidal cell size reduction in schizophrenia: evidence for involvement of auditory feedforward circuits. <i>Biological Psychiatry</i> , 2004, 55, 1128-1137. | 1.3 | 87 |
| 42 | Anatomical Evidence of Impaired Feedforward Auditory Processing in Schizophrenia. <i>Biological Psychiatry</i> , 2007, 61, 854-864. | 1.3 | 73 |
| 43 | Cis-acting regulation of brain-specific ANK3 gene expression by a genetic variant associated with bipolar disorder. <i>Molecular Psychiatry</i> , 2013, 18, 922-929. | 7.9 | 73 |
| 44 | Genome-wide association studies of schizophrenia. <i>Current Opinion in Psychiatry</i> , 2012, 25, 76-82. | 6.3 | 72 |
| 45 | A genome-wide association study of kynurenic acid in cerebrospinal fluid: implications for psychosis and cognitive impairment in bipolar disorder. <i>Molecular Psychiatry</i> , 2016, 21, 1342-1350. | 7.9 | 71 |
| 46 | Implication of a Rare Deletion at Distal 16p11.2 in Schizophrenia. <i>JAMA Psychiatry</i> , 2013, 70, 253. | 11.0 | 69 |
| 47 | Genome-wide association study identifies SESTD1 as a novel risk gene for lithium-responsive bipolar disorder. <i>Molecular Psychiatry</i> , 2016, 21, 1290-1297. | 7.9 | 69 |
| 48 | Genetic modifiers and subtypes in schizophrenia: Investigations of age at onset, severity, sex and family history. <i>Schizophrenia Research</i> , 2014, 154, 48-53. | 2.0 | 68 |
| 49 | Allelic differences between Europeans and Chinese for CREB1 SNPs and their implications in gene expression regulation, hippocampal structure and function, and bipolar disorder susceptibility. <i>Molecular Psychiatry</i> , 2014, 19, 452-461. | 7.9 | 61 |
| 50 | Sex-Dependent Shared and Nonshared Genetic Architecture Across Mood and Psychotic Disorders. <i>Biological Psychiatry</i> , 2022, 91, 102-117. | 1.3 | 61 |
| 51 | Environmental Risk Factors for Schizophrenia and Bipolar Disorder and Their Relationship to Genetic Risk: Current Knowledge and Future Directions. <i>Frontiers in Genetics</i> , 2021, 12, 686666. | 2.3 | 61 |
| 52 | The protocadherin 17 gene affects cognition, personality, amygdala structure and function, synapse development and risk of major mood disorders. <i>Molecular Psychiatry</i> , 2018, 23, 400-412. | 7.9 | 60 |
| 53 | A principal component approach to improve association testing with polygenic risk scores. <i>Genetic Epidemiology</i> , 2020, 44, 676-686. | 1.3 | 56 |
| 54 | Longitudinal Cortical Thickness Changes in Bipolar Disorder and the Relationship to Genetic Risk, Mania, and Lithium Use. <i>Biological Psychiatry</i> , 2020, 87, 271-281. | 1.3 | 46 |

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|----|---|------|-----------|
| 55 | Contribution of Rare Copy Number Variants to Bipolar Disorder Risk Is Limited to Schizoaffective Cases. <i>Biological Psychiatry</i> , 2019, 86, 110-119. | 1.3 | 45 |
| 56 | Polymorphisms in SLC6A4, PAH, GABRB3, and MAOB and modification of psychotic disorder features. <i>Schizophrenia Research</i> , 2009, 109, 94-97. | 2.0 | 38 |
| 57 | The association between Darier disease, bipolar disorder, and schizophrenia revisited: a population-based family study. <i>Bipolar Disorders</i> , 2015, 17, 340-344. | 1.9 | 37 |
| 58 | Specificity in Etiology of Subtypes of Bipolar Disorder: Evidence From a Swedish Population-Based Family Study. <i>Biological Psychiatry</i> , 2018, 84, 810-816. | 1.3 | 37 |
| 59 | Association of Youth Depression With Subsequent Somatic Diseases and Premature Death. <i>JAMA Psychiatry</i> , 2021, 78, 302. | 11.0 | 35 |
| 60 | A Loss-of-Function Variant in a Minor Isoform of ANK3 Protects Against Bipolar Disorder and Schizophrenia. <i>Biological Psychiatry</i> , 2016, 80, 323-330. | 1.3 | 31 |
| 61 | Socioeconomic Status and Social Support Following Illicit Drug Use: Causal Pathways or Common Liability?. <i>Twin Research and Human Genetics</i> , 2008, 11, 266-274. | 0.6 | 29 |
| 62 | Analysis of schizophrenia-related genes and electrophysiological measures reveals ZNF804A association with amplitude of P300b elicited by novel sounds. <i>Translational Psychiatry</i> , 2014, 4, e346-e346. | 4.8 | 29 |
| 63 | Elevated expression of a minor isoform of ANK3 is a risk factor for bipolar disorder. <i>Translational Psychiatry</i> , 2018, 8, 210. | 4.8 | 24 |
| 64 | Modifiers and Subtype-Specific Analyses in Whole-Genome Association Studies: A Likelihood Framework. <i>Human Heredity</i> , 2011, 72, 10-20. | 0.8 | 20 |
| 65 | Convergent Lines of Evidence Support LRP8 as a Susceptibility Gene for Psychosis. <i>Molecular Neurobiology</i> , 2016, 53, 6608-6619. | 4.0 | 20 |
| 66 | The role of ADHD genetic risk in mid-to-late life somatic health conditions. <i>Translational Psychiatry</i> , 2022, 12, 152. | 4.8 | 20 |
| 67 | Lack of Support for the Genes by Early Environment Interaction Hypothesis in the Pathogenesis of Schizophrenia. <i>Schizophrenia Bulletin</i> , 2022, 48, 20-26. | 4.3 | 19 |
| 68 | Technological readiness and implementation of genomic-driven precision medicine for complex diseases. <i>Journal of Internal Medicine</i> , 2021, 290, 602-620. | 6.0 | 18 |
| 69 | Familial co-aggregation of schizophrenia and eating disorders in Sweden and Denmark. <i>Molecular Psychiatry</i> , 2021, 26, 5389-5397. | 7.9 | 17 |
| 70 | Polygenic risk for anxiety influences anxiety comorbidity and suicidal behavior in bipolar disorder. <i>Translational Psychiatry</i> , 2020, 10, 298. | 4.8 | 16 |
| 71 | Combined Whole Methylome and Genomewide Association Study Implicates <i>CNTN4</i> in Alcohol Use. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 1396-1405. | 2.4 | 15 |
| 72 | Investigating rare pathogenic/likely pathogenic exonic variation in bipolar disorder. <i>Molecular Psychiatry</i> , 2021, 26, 5239-5250. | 7.9 | 15 |

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|----|--|-----|-----------|
| 73 | Association Study of 167 Candidate Genes for Schizophrenia Selected by a Multi-Domain Evidence-Based Prioritization Algorithm and Neurodevelopmental Hypothesis. <i>PLoS ONE</i> , 2013, 8, e67776. | 2.5 | 15 |
| 74 | Acute intermittent porphyria: Comorbidity and shared familial risks with schizophrenia and bipolar disorder in Sweden. <i>British Journal of Psychiatry</i> , 2015, 207, 556-557. | 2.8 | 14 |
| 75 | Association of family history of schizophrenia and clinical outcomes in individuals with eating disorders. <i>Psychological Medicine</i> , 2021, , 1-8. | 4.5 | 14 |
| 76 | Novel disease associations with schizophrenia genetic risk revealed in ~400,000 UK Biobank participants. <i>Molecular Psychiatry</i> , 2022, 27, 1448-1454. | 7.9 | 13 |
| 77 | Impact of a cis-associated gene expression SNP on chromosome 20q11.22 on bipolar disorder susceptibility, hippocampal structure and cognitive performance. <i>British Journal of Psychiatry</i> , 2016, 208, 128-137. | 2.8 | 11 |
| 78 | Genes, biomarkers, and clinical features associated with the course of bipolar disorder. <i>European Neuropsychopharmacology</i> , 2019, 29, 1152-1160. | 0.7 | 11 |
| 79 | Genetic variation in 117 myelination-related genes in schizophrenia: Replication of association to lipid biosynthesis genes. <i>Scientific Reports</i> , 2018, 8, 6915. | 3.3 | 10 |
| 80 | Characterization of Single Gene Copy Number Variants in Schizophrenia. <i>Biological Psychiatry</i> , 2020, 87, 736-744. | 1.3 | 10 |
| 81 | Genetic risk for bipolar disorder and schizophrenia predicts structure and function of the ventromedial prefrontal cortex. <i>Journal of Psychiatry and Neuroscience</i> , 2021, 46, E441-E450. | 2.4 | 10 |
| 82 | Novel gene-brain structure relationships in psychotic disorder revealed using parallel independent component analyses. <i>Schizophrenia Research</i> , 2017, 182, 74-83. | 2.0 | 9 |
| 83 | Identification of a Bipolar Disorder Vulnerable Gene CHDH at 3p21.1. <i>Molecular Neurobiology</i> , 2017, 54, 5166-5176. | 4.0 | 9 |
| 84 | Cross-sex shifts in two brain imaging phenotypes and their relation to polygenic scores for same-sex sexual behavior: A study of 18,645 individuals from the UK Biobank. <i>Human Brain Mapping</i> , 2021, 42, 2292-2304. | 3.6 | 8 |
| 85 | Genome-wide study of immune biomarkers in cerebrospinal fluid and serum from patients with bipolar disorder and controls. <i>Translational Psychiatry</i> , 2020, 10, 58. | 4.8 | 8 |
| 86 | National-scale precision medicine for psychiatric disorders in Sweden. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2018, 177, 630-634. | 1.7 | 7 |
| 87 | Detection of susceptibility genes as modifiers due to subgroup differences in complex disease. <i>European Journal of Human Genetics</i> , 2010, 18, 960-964. | 2.8 | 6 |
| 88 | Polygenic association with severity and long-term outcome in eating disorder cases. <i>Translational Psychiatry</i> , 2022, 12, 61. | 4.8 | 6 |
| 89 | No association of dysbindin with symptom factors of schizophrenia in an Irish case-control sample. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010, 153B, 700-705. | 1.7 | 5 |
| 90 | Chronicity and Sex Affect Genetic Risk Prediction in Schizophrenia. <i>Frontiers in Psychiatry</i> , 2020, 11, 313. | 2.6 | 5 |

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|----|---|-----|-----------|
| 91 | Improving lithium dose prediction using population pharmacokinetics and pharmacogenomics: a cohort genome-wide association study in Sweden. <i>Lancet Psychiatry</i> , 2022, 9, 447-457. | 7.4 | 4 |
| 92 | A loop-counting method for covariate-corrected low-rank biclustering of gene-expression and genome-wide association study data. <i>PLoS Computational Biology</i> , 2018, 14, e1006105. | 3.2 | 3 |
| 93 | Association of severe childhood infections with depression and intentional self-harm in adolescents and young adults. <i>Brain, Behavior, and Immunity</i> , 2022, 99, 247-255. | 4.1 | 3 |
| 94 | Population-based identity-by-descent mapping combined with exome sequencing to detect rare risk variants for schizophrenia. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2019, 180, 223-231. | 1.7 | 2 |
| 95 | Overview of CAPICE "Childhood and Adolescence Psychopathology: unravelling the complex etiology by a large Interdisciplinary Collaboration in Europe" an EU Marie Skłodowska-Curie International Training Network. <i>European Child and Adolescent Psychiatry</i> , 2021, , 1. | 4.7 | 2 |
| 96 | Genetic Modifiers and Subtypes in Schizophrenia. <i>Current Behavioral Neuroscience Reports</i> , 2014, 1, 197-205. | 1.3 | 1 |
| 97 | Polygenic Risk for Anxiety Influences Anxiety Comorbidity and Suicidal Behavior in Bipolar Disorder. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 1 |
| 98 | Parsing psychosis subtypes through investigations of rare genetic variants. <i>EBioMedicine</i> , 2016, 6, 16-17. | 6.1 | 0 |