

# Sahil B Seth

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50  
papers

34,426  
citations

37  
h-index

54  
g-index

54  
ext. papers

43,674  
ext. citations

28  
avg, IF

8.33  
L-index

#	Paper	IF	Citations
50	A functional genomic approach to actionable gene fusions for precision oncology.. <i>Science Advances</i> , <b>2022</b> , 8, eabm2382	14.3	0
49	Inhibition of histone acetyltransferase function radiosensitizes CREBBP/EP300 mutants via repression of homologous recombination, potentially targeting a gain of function. <i>Nature Communications</i> , <b>2021</b> , 12, 6340	17.4	2
48	The cytosolic iron-sulfur cluster assembly (CIA) pathway is required for replication stress tolerance of cancer cells to Chk1 and ATR inhibitors. <i>Npj Breast Cancer</i> , <b>2021</b> , 7, 152	7.8	0
47	Medium-Chain Acyl-CoA Dehydrogenase Protects Mitochondria from Lipid Peroxidation in Glioblastoma. <i>Cancer Discovery</i> , <b>2021</b> , 11, 2904-2923	24.4	2
46	Immune Phenotype and Response to Neoadjuvant Therapy in Triple-Negative Breast Cancer. <i>Clinical Cancer Research</i> , <b>2021</b> ,	12.9	5
45	Sequential Administration of XPO1 and ATR Inhibitors Enhances Therapeutic Response in TP53-mutated Colorectal Cancer. <i>Gastroenterology</i> , <b>2021</b> , 161, 196-210	13.3	5
44	Somatic mutation distributions in cancer genomes vary with three-dimensional chromatin structure. <i>Nature Genetics</i> , <b>2020</b> , 52, 1178-1188	36.3	25
43	Allosteric SHP2 Inhibitor, IACS-13909, Overcomes EGFR-Dependent and EGFR-Independent Resistance Mechanisms toward Osimertinib. <i>Cancer Research</i> , <b>2020</b> , 80, 4840-4853	10.1	17
42	Pre-existing Functional Heterogeneity of Tumorigenic Compartment as the Origin of Chemoresistance in Pancreatic Tumors. <i>Cell Reports</i> , <b>2019</b> , 26, 1518-1532.e9	10.6	36
41	Resistance to neoadjuvant chemotherapy in triple-negative breast cancer mediated by a reversible drug-tolerant state. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	93
40	Syndecan 1 is a critical mediator of macropinocytosis in pancreatic cancer. <i>Nature</i> , <b>2019</b> , 568, 410-414	50.4	74
39	Global impact of somatic structural variation on the DNA methylome of human cancers. <i>Genome Biology</i> , <b>2019</b> , 20, 209	18.3	9
38	Functional Genomics Reveals Synthetic Lethality between Phosphogluconate Dehydrogenase and Oxidative Phosphorylation. <i>Cell Reports</i> , <b>2019</b> , 26, 469-482.e5	10.6	25
37	Discordant inheritance of chromosomal and extrachromosomal DNA elements contributes to dynamic disease evolution in glioblastoma. <i>Nature Genetics</i> , <b>2018</b> , 50, 708-717	36.3	116
36	A Pan-Cancer Compendium of Genes Deregulated by Somatic Genomic Rearrangement across More Than 1,400 Cases. <i>Cell Reports</i> , <b>2018</b> , 24, 515-527	10.6	49
35	High-resolution clonal mapping of multi-organ metastasis in triple negative breast cancer. <i>Nature Communications</i> , <b>2018</b> , 9, 5079	17.4	52
34	Integrated genomic and molecular characterization of cervical cancer. <i>Nature</i> , <b>2017</b> , 543, 378-384	50.4	755

33	Systematic analysis of telomere length and somatic alterations in 31 cancer types. <i>Nature Genetics</i> , <b>2017</b> , 49, 349-357	36.3	277
32	Synthetic vulnerabilities of mesenchymal subpopulations in pancreatic cancer. <i>Nature</i> , <b>2017</b> , 542, 362-366	50.4	70
31	Systematic Epigenomic Analysis Reveals Chromatin States Associated with Melanoma Progression. <i>Cell Reports</i> , <b>2017</b> , 19, 875-889	10.6	53
30	A Pan-Cancer Proteogenomic Atlas of PI3K/AKT/mTOR Pathway Alterations. <i>Cancer Cell</i> , <b>2017</b> , 31, 820-832.e3	27.3	286
29	Integrated genomic characterization of oesophageal carcinoma. <i>Nature</i> , <b>2017</b> , 541, 169-175	50.4	965
28	Integrative Analysis Identifies Four Molecular and Clinical Subsets in Uveal Melanoma. <i>Cancer Cell</i> , <b>2017</b> , 32, 204-220.e15	24.3	391
27	Evaluation and Design of Genome-Wide CRISPR/SpCas9 Knockout Screens. <i>G3: Genes, Genomes, Genetics</i> , <b>2017</b> , 7, 2719-2727	3.2	211
26	Genomic heterogeneity of multiple synchronous lung cancer. <i>Nature Communications</i> , <b>2016</b> , 7, 13200	17.4	85
25	InVivo Functional Platform Targeting Patient-Derived Xenografts Identifies WDR5-Myc Association as a Critical Determinant of Pancreatic Cancer. <i>Cell Reports</i> , <b>2016</b> , 16, 133-147	10.6	77
24	Molecular Profiling Reveals Biologically Discrete Subsets and Pathways of Progression in Diffuse Glioma. <i>Cell</i> , <b>2016</b> , 164, 550-63	56.2	1140
23	Genomic Classification of Cutaneous Melanoma. <i>Cell</i> , <b>2015</b> , 161, 1681-96	56.2	1807
22	Comprehensive, Integrative Genomic Analysis of Diffuse Lower-Grade Gliomas. <i>New England Journal of Medicine</i> , <b>2015</b> , 372, 2481-98	59.2	1828
21	Genetic events that limit the efficacy of MEK and RTK inhibitor therapies in a mouse model of KRAS-driven pancreatic cancer. <i>Cancer Research</i> , <b>2015</b> , 75, 1091-101	10.1	53
20	The Molecular Taxonomy of Primary Prostate Cancer. <i>Cell</i> , <b>2015</b> , 163, 1011-25	56.2	1713
19	A comprehensive assessment of somatic mutation detection in cancer using whole-genome sequencing. <i>Nature Communications</i> , <b>2015</b> , 6, 10001	17.4	199
18	Comprehensive genomic characterization of head and neck squamous cell carcinomas. <i>Nature</i> , <b>2015</b> , 517, 576-82	50.4	2332
17	Co-clinical assessment identifies patterns of BRAF inhibitor resistance in melanoma. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 1459-70	15.9	84
16	Comprehensive molecular characterization of urothelial bladder carcinoma. <i>Nature</i> , <b>2014</b> , 507, 315-22	50.4	1963

15	Recurrent PTPRB and PLCG1 mutations in angiosarcoma. <i>Nature Genetics</i> , <b>2014</b> , 46, 376-379	36.3	196
14	Identification of double-stranded genomic DNA spanning all chromosomes with mutated KRAS and p53 DNA in the serum exosomes of patients with pancreatic cancer. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 3869-75	5.4	632
13	Characterization of HPV and host genome interactions in primary head and neck cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 15544-9	11.5	229
12	Comprehensive molecular characterization of gastric adenocarcinoma. <i>Nature</i> , <b>2014</b> , 513, 202-9	50.4	3659
11	The somatic genomic landscape of chromophobe renal cell carcinoma. <i>Cancer Cell</i> , <b>2014</b> , 26, 319-330	24.3	521
10	Comprehensive molecular profiling of lung adenocarcinoma. <i>Nature</i> , <b>2014</b> , 511, 543-50	50.4	3310
9	Multipplatform analysis of 12 cancer types reveals molecular classification within and across tissues of origin. <i>Cell</i> , <b>2014</b> , 158, 929-944	56.2	935
8	Intratumor heterogeneity in localized lung adenocarcinomas delineated by multiregion sequencing. <i>Science</i> , <b>2014</b> , 346, 256-9	33.3	659
7	Oncogene ablation-resistant pancreatic cancer cells depend on mitochondrial function. <i>Nature</i> , <b>2014</b> , 514, 628-32	50.4	727
6	Mutational landscape of aggressive cutaneous squamous cell carcinoma. <i>Clinical Cancer Research</i> , <b>2014</b> , 20, 6582-92	12.9	362
5	Integrated genomic characterization of papillary thyroid carcinoma. <i>Cell</i> , <b>2014</b> , 159, 676-90	56.2	1660
4	The Cancer Genome Atlas Pan-Cancer analysis project. <i>Nature Genetics</i> , <b>2013</b> , 45, 1113-20	36.3	3933
3	Integrated genomic characterization of endometrial carcinoma. <i>Nature</i> , <b>2013</b> , 497, 67-73	50.4	2800
2	Discordant inheritance of chromosomal and extrachromosomal DNA elements contributes to dynamic disease evolution in glioblastoma		2
1	Inhibition of histone acetyltransferase function radiosensitizes CREBBP/EP300 mutants via repression of homologous recombination, potentially targeting a novel gain of function		1