

Nicholas D Socci

List of Publications by Year in descending order

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117
papers

30,768
citations

10956

71
h-index

19690

117
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121
all docs

121
docs citations

121
times ranked

45335
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mammalian microRNA Expression Atlas Based on Small RNA Library Sequencing. <i>Cell</i> , 2007, 129, 1401-1414.	13.5	3,390
2	Integrative Genomic Profiling of Human Prostate Cancer. <i>Cancer Cell</i> , 2010, 18, 11-22.	7.7	3,151
3	Funnels, pathways, and the energy landscape of protein folding: A synthesis. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995, 21, 167-195.	1.5	2,415
4	Prognostic Relevance of Integrated Genetic Profiling in Acute Myeloid Leukemia. <i>New England Journal of Medicine</i> , 2012, 366, 1079-1089.	13.9	1,688
5	Role for Stearoyl-CoA Desaturase-1 in Leptin-Mediated Weight Loss. <i>Science</i> , 2002, 297, 240-243.	6.0	790
6	Intestinal Domination and the Risk of Bacteremia in Patients Undergoing Allogeneic Hematopoietic Stem Cell Transplantation. <i>Clinical Infectious Diseases</i> , 2012, 55, 905-914.	2.9	779
7	Vancomycin-resistant <i>Enterococcus</i> domination of intestinal microbiota is enabled by antibiotic treatment in mice and precedes bloodstream invasion in humans. <i>Journal of Clinical Investigation</i> , 2010, 120, 4332-4341.	3.9	756
8	Genome Sequencing Identifies a Basis for Everolimus Sensitivity. <i>Science</i> , 2012, 338, 221-221.	6.0	681
9	Germline mutations in BAP1 predispose to melanocytic tumors. <i>Nature Genetics</i> , 2011, 43, 1018-1021.	9.4	662
10	Subtype-specific genomic alterations define new targets for soft-tissue sarcoma therapy. <i>Nature Genetics</i> , 2010, 42, 715-721.	9.4	642
11	Identifying recurrent mutations in cancer reveals widespread lineage diversity and mutational specificity. <i>Nature Biotechnology</i> , 2016, 34, 155-163.	9.4	634
12	Human ES cell-derived neural rosettes reveal a functionally distinct early neural stem cell stage. <i>Genes and Development</i> , 2008, 22, 152-165.	2.7	604
13	Constitutively active androgen receptor splice variants expressed in castration-resistant prostate cancer require full-length androgen receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16759-16765.	3.3	567
14	A Hierarchical Combination of Factors Shapes the Genome-wide Topography of Yeast Meiotic Recombination Initiation. <i>Cell</i> , 2011, 144, 719-731.	13.5	520
15	Defining Molecular Profiles of Poor Outcome in Patients With Invasive Bladder Cancer Using Oligonucleotide Microarrays. <i>Journal of Clinical Oncology</i> , 2006, 24, 778-789.	0.8	513
16	DNA Methylation of the First Exon Is Tightly Linked to Transcriptional Silencing. <i>PLoS ONE</i> , 2011, 6, e14524.	1.1	503
17	Optimization of Dosing for EGFR-Mutant Non-Small Cell Lung Cancer with Evolutionary Cancer Modeling. <i>Science Translational Medicine</i> , 2011, 3, 90ra59.	5.8	457
18	Inducible in vivo genome editing with CRISPR-Cas9. <i>Nature Biotechnology</i> , 2015, 33, 390-394.	9.4	429

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19	Analysis of the Prevalence of Microsatellite Instability in Prostate Cancer and Response to Immune Checkpoint Blockade. <i>JAMA Oncology</i> , 2019, 5, 471.	3.4	426
20	Weighted Neighbor Joining: A Likelihood-Based Approach to Distance-Based Phylogeny Reconstruction. <i>Molecular Biology and Evolution</i> , 2000, 17, 189-197.	3.5	417
21	Derivation of Multipotent Mesenchymal Precursors from Human Embryonic Stem Cells. <i>PLoS Medicine</i> , 2005, 2, e161.	3.9	396
22	Oncogenic Ras and Akt Signaling Contribute to Glioblastoma Formation by Differential Recruitment of Existing mRNAs to Polysomes. <i>Molecular Cell</i> , 2003, 12, 889-901.	4.5	387
23	Distinct Transcriptional Profiles of Adipogenesis <i>In Vivo</i> and <i>In Vitro</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 34167-34174.	1.6	338
24	Directed Differentiation and Transplantation of Human Embryonic Stem Cell-Derived Motoneurons. <i>Stem Cells</i> , 2007, 25, 1931-1939.	1.4	316
25	Folding kinetics of proteinlike heteropolymers. <i>Journal of Chemical Physics</i> , 1994, 101, 1519-1528.	1.2	311
26	Protein folding funnels: the nature of the transition state ensemble. <i>Folding & Design</i> , 1996, 1, 441-450.	4.5	304
27	Derivation of engraftable skeletal myoblasts from human embryonic stem cells. <i>Nature Medicine</i> , 2007, 13, 642-648.	15.2	297
28	Tumour lineage shapes BRCA-mediated phenotypes. <i>Nature</i> , 2019, 571, 576-579.	13.7	295
29	Aire-Dependent Thymic Development of Tumor-Associated Regulatory T Cells. <i>Science</i> , 2013, 339, 1219-1224.	6.0	282
30	The AKT-mTOR pathway plays a critical role in the development of leiomyosarcomas. <i>Nature Medicine</i> , 2007, 13, 748-753.	15.2	275
31	Accelerating Discovery of Functional Mutant Alleles in Cancer. <i>Cancer Discovery</i> , 2018, 8, 174-183.	7.7	275
32	A recurrent germline PAX5 mutation confers susceptibility to pre-B cell acute lymphoblastic leukemia. <i>Nature Genetics</i> , 2013, 45, 1226-1231.	9.4	270
33	Mad2-induced chromosome instability leads to lung tumour relapse after oncogene withdrawal. <i>Nature</i> , 2010, 464, 436-440.	13.7	245
34	Molecular Characterization of Pediatric Gastrointestinal Stromal Tumors. <i>Clinical Cancer Research</i> , 2008, 14, 3204-3215.	3.2	233
35	Gene Expression Profiling of Liposarcoma Identifies Distinct Biological Types/Subtypes and Potential Therapeutic Targets in Well-Differentiated and Dedifferentiated Liposarcoma. <i>Cancer Research</i> , 2007, 67, 6626-6636.	0.4	217
36	The energy landscape theory of protein folding: Insights into folding mechanisms and scenarios. <i>Advances in Protein Chemistry</i> , 2000, 53, 87-152.	4.4	215

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37	High-Throughput Screening Assay for the Identification of Compounds Regulating Self-Renewal and Differentiation in Human Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2008, 2, 602-612.	5.2	211
38	Tumor Genetic Analyses of Patients with Metastatic Renal Cell Carcinoma and Extended Benefit from mTOR Inhibitor Therapy. <i>Clinical Cancer Research</i> , 2014, 20, 1955-1964.	3.2	208
39	Gene Expression in Gastrointestinal Stromal Tumors Is Distinguished by KIT Genotype and Anatomic Site. <i>Clinical Cancer Research</i> , 2004, 10, 3282-3290.	3.2	194
40	Kinetic and thermodynamic analysis of proteinlike heteropolymers: Monte Carlo histogram technique. <i>Journal of Chemical Physics</i> , 1995, 103, 4732-4744.	1.2	187
41	Gene Discovery in Bladder Cancer Progression using cDNA Microarrays. <i>American Journal of Pathology</i> , 2003, 163, 505-516.	1.9	177
42	Aire Enforces Immune Tolerance by Directing Autoreactive T Cells into the Regulatory T Cell Lineage. <i>Immunity</i> , 2016, 44, 1102-1113.	6.6	173
43	Genomic Biomarkers of a Randomized Trial Comparing First-line Everolimus and Sunitinib in Patients with Metastatic Renal Cell Carcinoma. <i>European Urology</i> , 2017, 71, 405-414.	0.9	173
44	Derivation of sarcomas from mesenchymal stem cells via inactivation of the Wnt pathway. <i>Journal of Clinical Investigation</i> , 2007, 117, 3248-3257.	3.9	167
45	Profiling Bladder Cancer Using Targeted Antibody Arrays. <i>American Journal of Pathology</i> , 2006, 168, 93-103.	1.9	162
46	Mutational landscape of <i>EGFR</i> , <i>MYC</i> , and <i>Kras</i> driven genetically engineered mouse models of lung adenocarcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6409-E6417.	3.3	158
47	Site and mechanism of leptin action in a rodent form of congenital lipodystrophy. <i>Journal of Clinical Investigation</i> , 2004, 113, 414-424.	3.9	158
48	A recurrent neomorphic mutation in MYOD1 defines a clinically aggressive subset of embryonal rhabdomyosarcoma associated with PI3K-AKT pathway mutations. <i>Nature Genetics</i> , 2014, 46, 595-600.	9.4	152
49	The Eph-Receptor A7 Is a Soluble Tumor Suppressor for Follicular Lymphoma. <i>Cell</i> , 2011, 147, 554-564.	13.5	151
50	Molecular profiling of bladder cancer using cDNA microarrays: defining histogenesis and biological phenotypes. <i>Cancer Research</i> , 2002, 62, 6973-80.	0.4	144
51	Functional Copy-Number Alterations in Cancer. <i>PLoS ONE</i> , 2008, 3, e3179.	1.1	142
52	Near universal detection of alterations in <i>CTNNB1</i> and <i>Wnt</i> pathway regulators in desmoid-type fibromatosis by whole-exome sequencing and genomic analysis. <i>Genes Chromosomes and Cancer</i> , 2015, 54, 606-615.	1.5	138
53	Genome-Wide Profiling of Papillary Thyroid Cancer Identifies MUC1 as an Independent Prognostic Marker. <i>Cancer Research</i> , 2004, 64, 3780-3789.	0.4	137
54	Gene Expression Profiling Allows Distinction between Primary and Metastatic Squamous Cell Carcinomas in the Lung. <i>Cancer Research</i> , 2005, 65, 3063-3071.	0.4	132

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55	Nonequilibrium Raftlike Membrane Domains under Continuous Recycling. <i>Physical Review Letters</i> , 2005, 95, 168301.	2.9	128
56	miR-371-3 Expression Predicts Neural Differentiation Propensity in Human Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2011, 8, 695-706.	5.2	126
57	Pathologic and Molecular Heterogeneity in Imatinib-Stable or Imatinib-Responsive Gastrointestinal Stromal Tumors. <i>Clinical Cancer Research</i> , 2007, 13, 170-181.	3.2	118
58	Synthetic Lethality in ATM-Deficient <i>RAD50</i> -Mutant Tumors Underlies Outlier Response to Cancer Therapy. <i>Cancer Discovery</i> , 2014, 4, 1014-1021.	7.7	114
59	The Absence of p53 Promotes Metastasis in a Novel Somatic Mouse Model for Hepatocellular Carcinoma. <i>Molecular and Cellular Biology</i> , 2005, 25, 1228-1237.	1.1	113
60	Frequent Alterations and Epigenetic Silencing of Differentiation Pathway Genes in Structurally Rearranged Liposarcomas. <i>Cancer Discovery</i> , 2011, 1, 587-597.	7.7	108
61	MDM2 turnover and expression of ATRX determine the choice between quiescence and senescence in response to CDK4 inhibition. <i>Oncotarget</i> , 2015, 6, 8226-8243.	0.8	107
62	Small RNA Sequencing and Functional Characterization Reveals MicroRNA-143 Tumor Suppressor Activity in Liposarcoma. <i>Cancer Research</i> , 2011, 71, 5659-5669.	0.4	106
63	Oncogenic Kit signaling and therapeutic intervention in a mouse model of gastrointestinal stromal tumor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12843-12848.	3.3	105
64	Identification of DOK genes as lung tumor suppressors. <i>Nature Genetics</i> , 2010, 42, 216-223.	9.4	105
65	Targeted massively parallel sequencing of angiosarcomas reveals frequent activation of the mitogen activated protein kinase pathway. <i>Oncotarget</i> , 2015, 6, 36041-36052.	0.8	103
66	The Rho GTPase Rnd1 suppresses mammary tumorigenesis and EMT by restraining Ras-MAPK signalling. <i>Nature Cell Biology</i> , 2015, 17, 81-94.	4.6	97
67	Dendritic Cells Coordinate the Development and Homeostasis of Organ-Specific Regulatory T Cells. <i>Immunity</i> , 2016, 44, 847-859.	6.6	93
68	Chordoma and chondrosarcoma gene profile: implications for immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 2009, 58, 339-349.	2.0	85
69	Small-Cell Carcinomas of the Bladder and Lung Are Characterized by a Convergent but Distinct Pathogenesis. <i>Clinical Cancer Research</i> , 2018, 24, 1965-1973.	3.2	85
70	BAC Transgenesis in Human Embryonic Stem Cells as a Novel Tool to Define the Human Neural Lineage. <i>Stem Cells</i> , 2009, 27, 521-532.	1.4	75
71	A Differentiation-Based MicroRNA Signature Identifies Leiomyosarcoma as a Mesenchymal Stem Cell-Related Malignancy. <i>American Journal of Pathology</i> , 2010, 177, 908-917.	1.9	71
72	The Evolutionary Origins of Recurrent Pancreatic Cancer. <i>Cancer Discovery</i> , 2020, 10, 792-805.	7.7	71

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73	PCBD5 promotes site-specific oncogenic mutations in human tumors. <i>Nature Genetics</i> , 2017, 49, 1005-1014.	9.4	69
74	A Developmental Model of Sarcomagenesis Defines a Differentiation-Based Classification for Liposarcomas. <i>American Journal of Pathology</i> , 2008, 172, 1069-1080.	1.9	65
75	TCR signal strength defines distinct mechanisms of T cell dysfunction and cancer evasion. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	64
76	Integrin- β 10 Dependency Identifies RAC and RICTOR as Therapeutic Targets in High-Grade Myxofibrosarcoma. <i>Cancer Discovery</i> , 2016, 6, 1148-1165.	7.7	62
77	Tipifarnib Inhibits HRAS-Driven Dedifferentiated Thyroid Cancers. <i>Cancer Research</i> , 2018, 78, 4642-4657.	0.4	60
78	Copy Number Losses Define Subgroups of Dedifferentiated Liposarcoma with Poor Prognosis and Genomic Instability. <i>Clinical Cancer Research</i> , 2012, 18, 1334-1340.	3.2	59
79	Eomes identifies thymic precursors of self-specific memory-phenotype CD8+ T cells. <i>Nature Immunology</i> , 2020, 21, 567-577.	7.0	55
80	A Polymorphism in HDM2 (SNP309) Associates with Early Onset in Superficial Tumors, TP53 Mutations, and Poor Outcome in Invasive Bladder Cancer. <i>Clinical Cancer Research</i> , 2007, 13, 3215-3220.	3.2	54
81	Gene expression in ductus arteriosus and aorta: comparison of birth and oxygen effects. <i>Physiological Genomics</i> , 2006, 25, 250-262.	1.0	52
82	Properties and origins of protein secondary structure. <i>Physical Review E</i> , 1994, 49, 3440-3443.	0.8	51
83	miR-193b Regulated Signaling Networks Serve as Tumor Suppressors in Liposarcoma and Promote Adipogenesis in Adipose-Derived Stem Cells. <i>Cancer Research</i> , 2017, 77, 5728-5740.	0.4	50
84	Hgf/Met activation mediates resistance to BRAF inhibition in murine anaplastic thyroid cancers. <i>Journal of Clinical Investigation</i> , 2018, 128, 4086-4097.	3.9	49
85	Metastatic Competence Can Emerge with Selection of Preexisting Oncogenic Alleles without a Need of New Mutations. <i>Cancer Research</i> , 2015, 75, 3713-3719.	0.4	48
86	Specific and Nonspecific Collapse in Protein Folding Funnels. <i>Physical Review Letters</i> , 2002, 88, 168101.	2.9	41
87	ZIC1 Overexpression Is Oncogenic in Liposarcoma. <i>Cancer Research</i> , 2010, 70, 6891-6901.	0.4	41
88	Targeted next-generation sequencing of DNA regions proximal to a conserved GXGXXG signaling motif enables systematic discovery of tyrosine kinase fusions in cancer. <i>Nucleic Acids Research</i> , 2010, 38, 6985-6996.	6.5	39
89	Phase II Trial of Sorafenib in Patients with Chemotherapy Refractory Metastatic Esophageal and Gastroesophageal (GE) Junction Cancer. <i>PLoS ONE</i> , 2015, 10, e0134731.	1.1	38
90	Identification of Angiogenesis/Metastases Genes Predicting Chemoradiotherapy Response in Patients With Laryngopharyngeal Carcinoma. <i>Journal of Clinical Oncology</i> , 2007, 25, 1369-1376.	0.8	37

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91	Characterization of a set of tumor suppressor microRNAs in T cell acute lymphoblastic leukemia. <i>Science Signaling</i> , 2014, 7, ra111.	1.6	36
92	Cellular program controlling the recovery of adipose tissue mass: An <i>in vivo</i> imaging approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12985-12990.	3.3	34
93	miR-182 Is Largely Dispensable for Adaptive Immunity: Lack of Correlation between Expression and Function. <i>Journal of Immunology</i> , 2015, 194, 2635-2642.	0.4	31
94	Genomic and Proteomic Profiles Reveal the Association of Gelsolin to TP53 Status and Bladder Cancer Progression. <i>American Journal of Pathology</i> , 2007, 171, 1650-1658.	1.9	30
95	Genomic and Transcriptomic Characterization of Papillary Microcarcinomas With Lateral Neck Lymph Node Metastases. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 4889-4899.	1.8	26
96	Tumor fraction-guided cell-free DNA profiling in metastatic solid tumor patients. <i>Genome Medicine</i> , 2021, 13, 96.	3.6	26
97	Transformation fingerprint: induced STAT3-C, v-Src and Ha-Ras cause small initial changes but similar established profiles in mRNA. <i>Oncogene</i> , 2004, 23, 8455-8463.	2.6	23
98	Systematic screen for tyrosine kinase rearrangements identifies a novel <i>C6orf204</i> – <i>PDGFRB</i> fusion in a patient with recurrent <i>T-ALL</i> and an associated myeloproliferative neoplasm. <i>Genes Chromosomes and Cancer</i> , 2012, 51, 54-65.	1.5	23
99	Rb and p53-Deficient Myxofibrosarcoma and Undifferentiated Pleomorphic Sarcoma Require Skp2 for Survival. <i>Cancer Research</i> , 2020, 80, 2461-2471.	0.4	22
100	Exploring the protein folding funnel landscape. <i>Physica D: Nonlinear Phenomena</i> , 1997, 107, 366-382.	1.3	17
101	Novel Imidazoline Antimicrobial Scaffold That Inhibits DNA Replication with Activity against Mycobacteria and Drug Resistant Gram-Positive Cocci. <i>ACS Chemical Biology</i> , 2014, 9, 2572-2583.	1.6	17
102	Genome-wide mapping of the distribution of CarD, RNAP σ^A , and RNAP σ^H on the Mycobacterium smegmatis chromosome using chromatin immunoprecipitation sequencing. <i>Genomics Data</i> , 2014, 2, 110-113.	1.3	14
103	Extramammary Paget disease shows differential expression of B7 family members B7-H3, B7-H4, PD-L1, PD-L2 and cancer/testis antigens NY-ESO-1 and MAGE-A. <i>Oncotarget</i> , 2019, 10, 6152-6167.	0.8	14
104	Cytokine-induced Patterns of Gene Expression in Skeletal Muscle Tissue. <i>Journal of Biological Chemistry</i> , 2003, 278, 32324-32334.	1.6	13
105	Indirect measurements of differential gene expression with cDNA microarrays. <i>BioTechniques</i> , 2004, 36, 310-314.	0.8	8
106	Impact of tumor heterogeneity and microenvironment in identifying neoantigens in a patient with ovarian cancer. <i>Cancer Immunology, Immunotherapy</i> , 2021, 70, 1189-1202.	2.0	7
107	Recurrent Mutations in Cyclin D3 Confer Clinical Resistance to FLT3 Inhibitors in Acute Myeloid Leukemia. <i>Clinical Cancer Research</i> , 2021, 27, 4003-4011.	3.2	7
108	The Genetic Evolution of Treatment-Resistant Cutaneous, Acral, and Uveal Melanomas. <i>Clinical Cancer Research</i> , 2021, 27, 1516-1525.	3.2	6

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109	Recurrent Mutations in CCND3 Confer Clinical Resistance to FLT3 Inhibitors. <i>Blood</i> , 2015, 126, 677-677.	0.6	4
110	Enriched motor neuron populations derived from bacterial artificial chromosome-transgenic human embryonic stem cells. <i>Clinical Neurosurgery</i> , 2009, 56, 125-32.	0.2	3
111	Treatment with 5-Azacytidine Accelerates Acute Promyelocytic Leukemia Leukemogenesis in a Transgenic Mouse Model. <i>Genes and Cancer</i> , 2011, 2, 160-165.	0.6	2
112	Epigenetic Drug Treatment Induces Presentation of New Class of Non-Exonic, Cryptic Neoantigens in Acute Myeloid Leukemia Cells. <i>Blood</i> , 2018, 132, 2717-2717.	0.6	2
113	Next-Generation Sequencing Suggests Complex, Heterogeneous Pathogenesis In Peripheral T-Cell Lymphoma Unspecified. <i>Blood</i> , 2013, 122, 843-843.	0.6	2
114	Genome-Wide Analysis of DNA Methylation Patterns Reveals Dynamic Epigenetic Regulation of the AML Genome After Decitabine Treatment.. <i>Blood</i> , 2009, 114, 591-591.	0.6	1
115	High-Depth, Targeted, Next Generation Sequencing Identifies Novel Genetic Alterations in Cutaneous T-Cell Lymphoma. <i>Blood</i> , 2015, 126, 1485-1485.	0.6	1
116	Distinctive Genomic Alterations in Testicular Diffuse Large B Cell Lymphoma. <i>Blood</i> , 2015, 126, 3655-3655.	0.6	1
117	Tumor MHC Class I Expression Associates with Intralesional IL2 Response in Melanoma. <i>Cancer Immunology Research</i> , 2022, 10, 303-313.	1.6	1