

# Robert E Schwartz

## List of Publications by Year in descending order

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Version: 2024-02-01

105  
papers

16,548  
citations

71102

41  
h-index

54911

84  
g-index

129  
all docs

129  
docs citations

129  
times ranked

31629  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imbalanced Host Response to SARS-CoV-2 Drives Development of COVID-19. <i>Cell</i> , 2020, 181, 1036-1045.e9.	28.9	3,572
2	Pancreatic cancer exosomes initiate pre-metastatic niche formation in the liver. <i>Nature Cell Biology</i> , 2015, 17, 816-826.	10.3	2,064
3	Evolution of antibody immunity to SARS-CoV-2. <i>Nature</i> , 2021, 591, 639-644.	27.8	1,355
4	Targeting potential drivers of COVID-19: Neutrophil extracellular traps. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	1,193
5	Identification of distinct nanoparticles and subsets of extracellular vesicles by asymmetric flow field-flow fractionation. <i>Nature Cell Biology</i> , 2018, 20, 332-343.	10.3	1,101
6	Extracellular Vesicle and Particle Biomarkers Define Multiple Human Cancers. <i>Cell</i> , 2020, 182, 1044-1061.e18.	28.9	691
7	A Human Pluripotent Stem Cell-based Platform to Study SARS-CoV-2 Tropism and Model Virus Infection in Human Cells and Organoids. <i>Cell Stem Cell</i> , 2020, 27, 125-136.e7.	11.1	543
8	A molecular single-cell lung atlas of lethal COVID-19. <i>Nature</i> , 2021, 595, 114-119.	27.8	411
9	Identification of SARS-CoV-2 inhibitors using lung and colonic organoids. <i>Nature</i> , 2021, 589, 270-275.	27.8	389
10	The spatial landscape of lung pathology during COVID-19 progression. <i>Nature</i> , 2021, 593, 564-569.	27.8	249
11	CRISPR/Cas9 cleavage of viral DNA efficiently suppresses hepatitis B virus. <i>Scientific Reports</i> , 2015, 5, 10833.	3.3	245
12	Identification of small molecules for human hepatocyte expansion and iPS differentiation. <i>Nature Chemical Biology</i> , 2013, 9, 514-520.	8.0	230
13	Modeling host interactions with hepatitis B virus using primary and induced pluripotent stem cell-derived hepatocellular systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12193-12198.	7.1	220
14	Hepatitis E virus: advances and challenges. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2018, 15, 96-110.	17.8	219
15	High-Content Screening in hPSC-Neural Progenitors Identifies Drug Candidates that Inhibit Zika Virus Infection in Fetal-like Organoids and Adult Brain. <i>Cell Stem Cell</i> , 2017, 21, 274-283.e5.	11.1	214
16	Modeling hepatitis C virus infection using human induced pluripotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2544-2548.	7.1	197
17	Endoscopic Sleeve Gastroplasty Significantly Reduces Body Mass Index and Metabolic Complications in Obese Patients. <i>Clinical Gastroenterology and Hepatology</i> , 2017, 15, 504-510.	4.4	182
18	Adaptable haemodynamic endothelial cells for organogenesis and tumorigenesis. <i>Nature</i> , 2020, 585, 426-432.	27.8	145

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19	Humanized mice with ectopic artificial liver tissues. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11842-11847.	7.1	144
20	Shotgun transcriptome, spatial omics, and isothermal profiling of SARS-CoV-2 infection reveals unique host responses, viral diversification, and drug interactions. Nature Communications, 2021, 12, 1660.	12.8	132
21	Epidemiological evidence for association between higher influenza vaccine uptake in the elderly and lower COVID-19 deaths in Italy. Journal of Medical Virology, 2021, 93, 64-65.	5.0	131
22	SARS-CoV-2 infection in hamsters and humans results in lasting and unique systemic perturbations after recovery. Science Translational Medicine, 2022, 14, .	12.4	129
23	An Adhesive Hydrogel with "Load-Sharing" Effect as Tissue Bandages for Drug and Cell Delivery. Advanced Materials, 2020, 32, e2001628.	21.0	128
24	Gastrointestinal and Hepatic Manifestations of 2019 Novel Coronavirus Disease in a Large Cohort of Infected Patients From New York: Clinical Implications. Gastroenterology, 2020, 159, 1137-1140.e2.	1.3	127
25	Hyperglycemia in acute COVID-19 is characterized by insulin resistance and adipose tissue infectivity by SARS-CoV-2. Cell Metabolism, 2021, 33, 2174-2188.e5.	16.2	127
26	Defined Conditions for Development of Functional Hepatic Cells from Human Embryonic Stem Cells. Stem Cells and Development, 2005, 14, 643-655.	2.1	126
27	SARS-CoV-2 infection induces beta cell transdifferentiation. Cell Metabolism, 2021, 33, 1577-1591.e7.	16.2	123
28	Intestinal Host Response to SARS-CoV-2 Infection and COVID-19 Outcomes in Patients With Gastrointestinal Symptoms. Gastroenterology, 2021, 160, 2435-2450.e34.	1.3	118
29	Human iPSC-Derived Hepatocyte-like Cells Support Plasmodium Liver-Stage Infection In Vitro. Stem Cell Reports, 2015, 4, 348-359.	4.8	109
30	Genome-wide DNA methylation profiling of peripheral blood reveals an epigenetic signature associated with severe COVID-19. Journal of Leukocyte Biology, 2021, 110, 21-26.	3.3	82
31	An optical nanoreporter of endolysosomal lipid accumulation reveals enduring effects of diet on hepatic macrophages in vivo. Science Translational Medicine, 2018, 10, .	12.4	80
32	Microbial-derived lithocholic acid and vitamin K2 drive the metabolic maturation of pluripotent stem cells-derived and fetal hepatocytes. Hepatology, 2015, 62, 265-278.	7.3	76
33	Endothelium-Mediated Hepatocyte Recruitment in the Establishment of Liver-like Tissue In Vitro. Tissue Engineering, 2006, 12, 1627-1638.	4.6	75
34	Engraftment of human induced pluripotent stem cell-derived hepatocytes in immunocompetent mice via 3D co-aggregation and encapsulation. Scientific Reports, 2015, 5, 16884.	3.3	72
35	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. Nature Nanotechnology, 2020, 15, 164-166.	31.5	69
36	The NF- $\kappa$ B Transcriptional Footprint Is Essential for SARS-CoV-2 Replication. Journal of Virology, 2021, 95, e0125721.	3.4	69

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37	Engineering transferrable microvascular meshes for subcutaneous islet transplantation. <i>Nature Communications</i> , 2019, 10, 4602.	12.8	63
38	Inflammatory responses in the placenta upon SARS-CoV-2 infection late in pregnancy. <i>IScience</i> , 2022, 25, 104223.	4.1	58
39	Disulfiram inhibits neutrophil extracellular trap formation and protects rodents from acute lung injury and SARS-CoV-2 infection. <i>JCI Insight</i> , 2022, 7, .	5.0	54
40	Long-term in vivo biocompatibility of single-walled carbon nanotubes. <i>PLoS ONE</i> , 2020, 15, e0226791.	2.5	52
41	SARS-CoV-2 Infection Induces Ferroptosis of Sinoatrial Node Pacemaker Cells. <i>Circulation Research</i> , 2022, 130, 963-977.	4.5	49
42	Hepatocarcinogenesis associated with hepatitis B, delta and C viruses. <i>Current Opinion in Virology</i> , 2016, 20, 1-10.	5.4	47
43	SARS-COV-2 infection (coronavirus disease 2019) for the gastrointestinal consultant. <i>World Journal of Gastroenterology</i> , 2020, 26, 1546-1553.	3.3	46
44	An Immuno-Cardiac Model for Macrophage-Mediated Inflammation in COVID-19 Hearts. <i>Circulation Research</i> , 2021, 129, 33-46.	4.5	40
45	Scalable Production and Cryostorage of Organoids Using Core-Shell Decoupled Hydrogel Capsules. <i>Advanced Biology</i> , 2017, 1, 1700165.	3.0	38
46	Cardiomyocytes recruit monocytes upon SARS-CoV-2 infection by secreting CCL2. <i>Stem Cell Reports</i> , 2021, 16, 2274-2288.	4.8	37
47	An airway organoid-based screen identifies a role for the HIF1 $\alpha$ -glycolysis axis in SARS-CoV-2 infection. <i>Cell Reports</i> , 2021, 37, 109920.	6.4	36
48	Identification of the Intragenomic Promoter Controlling Hepatitis E Virus Subgenomic RNA Transcription. <i>MBio</i> , 2018, 9, .	4.1	35
49	Preclinical assessment of antiviral combination therapy in a genetically humanized mouse model for hepatitis delta virus infection. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	34
50	Coagulation factors directly cleave SARS-CoV-2 spike and enhance viral entry. <i>ELife</i> , 2022, 11, .	6.0	34
51	Aramchol downregulates stearoyl CoA-desaturase 1 in hepatic stellate cells to attenuate cellular fibrogenesis. <i>JHEP Reports</i> , 2021, 3, 100237.	4.9	32
52	Specification of fetal liver endothelial progenitors to functional zoned adult sinusoids requires c-Maf induction. <i>Cell Stem Cell</i> , 2022, 29, 593-609.e7.	11.1	32
53	Analysis of Host Responses to Hepatitis B and Delta Viral Infections in a Micro-scaled Hepatic Co-culture System. <i>Hepatology</i> , 2020, 71, 14-30.	7.3	31
54	Pre- and peri-implantation Zika virus infection impairs fetal development by targeting trophectoderm cells. <i>Nature Communications</i> , 2019, 10, 4155.	12.8	30

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55	Hedgehog Signaling Demarcates a Niche of Fibrogenic Peribiliary Mesenchymal Cells. <i>Gastroenterology</i> , 2020, 159, 624-638.e9.	1.3	30
56	Peptide-based scaffolds for the culture and maintenance of primary human hepatocytes. <i>Scientific Reports</i> , 2021, 11, 6772.	3.3	25
57	System-wide transcriptome damage and tissue identity loss in COVID-19 patients. <i>Cell Reports Medicine</i> , 2022, 3, 100522.	6.5	24
58	A cell culture system for distinguishing hepatitis C viruses with and without liver cancer-related mutations in the viral core gene. <i>Journal of Hepatology</i> , 2015, 63, 1323-1333.	3.7	22
59	A diminished immune response underlies age-related SARS-CoV-2 pathologies. <i>Cell Reports</i> , 2022, 39, 111002.	6.4	20
60	Hepatology Highlights. <i>Hepatology</i> , 2019, 69, 1-4.	7.3	18
61	Identifying FDA-approved drugs with multimodal properties against COVID-19 using a data-driven approach and a lung organoid model of SARS-CoV-2 entry. <i>Molecular Medicine</i> , 2021, 27, 105.	4.4	18
62	CRISPR screening uncovers a central requirement for HHEX in pancreatic lineage commitment and plasticity restriction. <i>Nature Cell Biology</i> , 2022, 24, 1064-1076.	10.3	15
63	Targeting Hepatitis B Virus Covalently Closed Circular DNA and Hepatitis B Virus X Protein: Recent Advances and New Approaches. <i>ACS Infectious Diseases</i> , 2019, 5, 1657-1667.	3.8	12
64	Pluripotent Stem Cell-Derived Hepatocyte-like Cells: A Tool to Study Infectious Disease. <i>Current Pathobiology Reports</i> , 2016, 4, 147-156.	3.4	11
65	SARS-CoV-2 Ion Channel ORF3a Enables TMEM16F-Dependent Phosphatidylserine Externalization to Augment Procoagulant Activity of the Tenase and Prothrombinase Complexes. <i>Blood</i> , 2021, 138, 1-1.	1.4	11
66	Hepatic Stem Cells. <i>Methods in Molecular Biology</i> , 2010, 640, 167-179.	0.9	10
67	Cell and Tissue Therapy for the Treatment of Chronic Liver Disease. <i>Annual Review of Biomedical Engineering</i> , 2021, 23, 517-546.	12.3	9
68	Co-transplantation of Human Ovarian Tissue with Engineered Endothelial Cells: A Cell-based Strategy Combining Accelerated Perfusion with Direct Paracrine Delivery. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	8
69	Conservation of cell-intrinsic immune responses in diverse nonhuman primate species. <i>Life Science Alliance</i> , 2019, 2, e201900495.	2.8	6
70	Hepatology Highlights. <i>Hepatology</i> , 2021, 74, 1-4.	7.3	5
71	Adenosine deaminase 2 produced by infiltrative monocytes promotes liver fibrosis in nonalcoholic fatty liver disease. <i>Cell Reports</i> , 2021, 37, 109897.	6.4	4
72	Molecular clones of genetically distinct hepatitis B virus genotypes reveal distinct host and drug treatment responses. <i>JHEP Reports</i> , 2022, 4, 100535.	4.9	4

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73	Hepatology Highlights. Hepatology, 2019, 70, 1497-1499.	7.3	2
74	Hepatology Highlights. Hepatology, 2020, 71, 1-3.	7.3	2
75	Hepatology Highlights. Hepatology, 2019, 69, 2311-2314.	7.3	1
76	Hepatology Highlights. Hepatology, 2019, 69, 1365-1368.	7.3	1
77	Hepatology Highlights. Hepatology, 2021, 73, 2085-2088.	7.3	1
78	Comments on "An airway organoid-based screen identifies a role for the HIF1 $\alpha$ -glycolysis axis in SARS-CoV-2 infection". Journal of Molecular Cell Biology, 2021, , .	3.3	1
79	Booster vaccines for COVID-19 vaccine breakthrough cases?. Lancet, The, 2022, 399, 1224.	13.7	1
80	Dementia-linked TDP $\alpha$ 43 dysregulation in astrocytes impairs memory, antiviral signaling, and chemokine-mediated astrocytic-neuronal interactions. Alzheimer's and Dementia, 2021, 17, e058562.	0.8	1
81	Hepatology Highlights. Hepatology, 2018, 67, 817-819.	7.3	0
82	Hepatology Highlights. Hepatology, 2018, 67, 1647-1650.	7.3	0
83	Hepatology Highlights. Hepatology, 2018, 67, 1195-1197.	7.3	0
84	Hepatology Highlights. Hepatology, 2018, 67, 461-463.	7.3	0
85	Hepatology Highlights. Hepatology, 2019, 69, 469-472.	7.3	0
86	Hepatology Highlights. Hepatology, 2019, 69, 1849-1851.	7.3	0
87	Hepatology Highlights. Hepatology, 2019, 69, 927-930.	7.3	0
88	Hepatology Highlights. Hepatology, 2019, 70, 1881-1884.	7.3	0
89	Hepatology Highlights. Hepatology, 2020, 72, 369-370.	7.3	0
90	Hepatology Highlights. Hepatology, 2020, 72, 1893-1896.	7.3	0

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91	Hepatology Highlights. Hepatology, 2020, 72, 1505-1508.	7.3	0
92	Hepatology Highlights. Hepatology, 2020, 71, 771-773.	7.3	0
93	Hepatology Highlights. Hepatology, 2020, 71, 405-407.	7.3	0
94	Hepatology Highlights. Hepatology, 2020, 71, 1527-1529.	7.3	0
95	Hepatology Highlights. Hepatology, 2020, 71, 1143-1145.	7.3	0
96	Hepatology Highlights. Hepatology, 2021, 73, 1-3.	7.3	0
97	Hepatology Highlights. Hepatology, 2021, 73, 475-478.	7.3	0
98	Hepatology Highlights. Hepatology, 2021, 73, 877-880.	7.3	0
99	Hepatology Highlights. Hepatology, 2021, 73, 1627-1630.	7.3	0
100	Hepatology Highlights. Hepatology, 2021, 73, 1245-1247.	7.3	0
101	Hepatology Highlights. Hepatology, 2021, 74, 539-542.	7.3	0
102	Hepatology Highlights. Hepatology, 2021, 74, 1137-1140.	7.3	0
103	Hepatology Highlights. Hepatology, 2021, 74, 1727-1729.	7.3	0
104	Hepatology Highlights. Hepatology, 2021, 74, 2329-2332.	7.3	0
105	Human biliary epithelial cells for regenerative medicine. Cell Stem Cell, 2022, 29, 345-347.	11.1	0