

# Robert E Schwartz

## List of Publications by Citations

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110  
papers

9,684  
citations

36  
h-index

98  
g-index

129  
ext. papers

13,671  
ext. citations

14  
avg, IF

6.35  
L-index

#	Paper	IF	Citations
110	Imbalanced Host Response to SARS-CoV-2 Drives Development of COVID-19. <i>Cell</i> , <b>2020</b> , 181, 1036-1045.e9	39.2	2227
109	Pancreatic cancer exosomes initiate pre-metastatic niche formation in the liver. <i>Nature Cell Biology</i> , <b>2015</b> , 17, 816-26	23.4	1533
108	Targeting potential drivers of COVID-19: Neutrophil extracellular traps. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217,	16.6	795
107	Identification of distinct nanoparticles and subsets of extracellular vesicles by asymmetric flow field-flow fractionation. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 332-343	23.4	686
106	Evolution of antibody immunity to SARS-CoV-2. <i>Nature</i> , <b>2021</b> , 591, 639-644	50.4	652
105	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> , <b>2020</b> , 27, 125-136.e7	18	338
104	Extracellular Vesicle and Particle Biomarkers Define Multiple Human Cancers. <i>Cell</i> , <b>2020</b> , 182, 1044-1061.e18	31.8	288
103	CRISPR/Cas9 cleavage of viral DNA efficiently suppresses hepatitis B virus. <i>Scientific Reports</i> , <b>2015</b> , 5, 10833	4.9	205
102	Identification of small molecules for human hepatocyte expansion and iPS differentiation. <i>Nature Chemical Biology</i> , <b>2013</b> , 9, 514-20	11.7	201
101	Identification of SARS-CoV-2 inhibitors using lung and colonic organoids. <i>Nature</i> , <b>2021</b> , 589, 270-275	50.4	184
100	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> , <b>2014</b> , 111, 12193-8	11.5	183
99	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> , <b>2012</b> , 109, 2544-8	11.5	175
98	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> , <b>2017</b> , 21, 274-283.e5	18	144
97	Endoscopic Sleeve Gastroplasty Significantly Reduces Body Mass Index and Metabolic Complications in Obese Patients. <i>Clinical Gastroenterology and Hepatology</i> , <b>2017</b> , 15, 504-510	6.9	140
96	Humanized mice with ectopic artificial liver tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 11842-7	11.5	131
95	Defined conditions for development of functional hepatic cells from human embryonic stem cells. <i>Stem Cells and Development</i> , <b>2005</b> , 14, 643-55	4.4	119
94	Hepatitis E virus: advances and challenges. <i>Nature Reviews Gastroenterology and Hepatology</i> , <b>2018</b> , 15, 96-110	24.2	113

93	Gastrointestinal and Hepatic Manifestations of 2019 Novel Coronavirus Disease in a Large Cohort of Infected Patients From New York: Clinical Implications. <i>Gastroenterology</i> , <b>2020</b> , 159, 1137-1140.e2	13.3	89
92	Human iPSC-derived hepatocyte-like cells support Plasmodium liver-stage infection in vitro. <i>Stem Cell Reports</i> , <b>2015</b> , 4, 348-59	8	86
91	A molecular single-cell lung atlas of lethal COVID-19. <i>Nature</i> , <b>2021</b> , 595, 114-119	50.4	81
90	Epidemiological evidence for association between higher influenza vaccine uptake in the elderly and lower COVID-19 deaths in Italy. <i>Journal of Medical Virology</i> , <b>2021</b> , 93, 64-65	19.7	78
89	The spatial landscape of lung pathology during COVID-19 progression. <i>Nature</i> , <b>2021</b> , 593, 564-569	50.4	72
88	Endothelium-mediated hepatocyte recruitment in the establishment of liver-like tissue in vitro. <i>Tissue Engineering</i> , <b>2006</b> , 12, 1627-38		70
87	Engraftment of human induced pluripotent stem cell-derived hepatocytes in immunocompetent mice via 3D co-aggregation and encapsulation. <i>Scientific Reports</i> , <b>2015</b> , 5, 16884	4.9	62
86	Microbial-derived lithocholic acid and vitamin K2 drive the metabolic maturation of pluripotent stem cells-derived and fetal hepatocytes. <i>Hepatology</i> , <b>2015</b> , 62, 265-78	11.2	62
85	Shotgun transcriptome, spatial omics, and isothermal profiling of SARS-CoV-2 infection reveals unique host responses, viral diversification, and drug interactions. <i>Nature Communications</i> , <b>2021</b> , 12, 1660	17.4	60
84	Adaptable haemodynamic endothelial cells for organogenesis and tumorigenesis. <i>Nature</i> , <b>2020</b> , 585, 426-432	50.4	54
83	Identification of Candidate COVID-19 Therapeutics using hPSC-derived Lung Organoids <b>2020</b> ,		52
82	An Adhesive Hydrogel with "Load-Sharing" Effect as Tissue Bandages for Drug and Cell Delivery. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001628	24	52
81	Shotgun Transcriptome and Isothermal Profiling of SARS-CoV-2 Infection Reveals Unique Host Responses, Viral Diversification, and Drug Interactions <b>2020</b> ,		51
80	An optical nanoreporter of endolysosomal lipid accumulation reveals enduring effects of diet on hepatic macrophages in vivo. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	47
79	Intestinal Host Response to SARS-CoV-2 Infection and COVID-19 Outcomes in Patients With Gastrointestinal Symptoms. <i>Gastroenterology</i> , <b>2021</b> , 160, 2435-2450.e34	13.3	45
78	Evolution of Antibody Immunity to SARS-CoV-2 <b>2021</b> ,		43
77	SARS-CoV-2 infection induces beta cell transdifferentiation. <i>Cell Metabolism</i> , <b>2021</b> , 33, 1577-1591.e7	24.6	42
76	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 164-166	28.7	40

75	SARS-COV-2 infection (coronavirus disease 2019) for the gastrointestinal consultant. <i>World Journal of Gastroenterology</i> , <b>2020</b> , 26, 1546-1553	5.6	37
74	Hepatocarcinogenesis associated with hepatitis B, delta and C viruses. <i>Current Opinion in Virology</i> , <b>2016</b> , 20, 1-10	7.5	32
73	Hyperglycemia in acute COVID-19 is characterized by insulin resistance and adipose tissue infectivity by SARS-CoV-2. <i>Cell Metabolism</i> , <b>2021</b> , 33, 2174-2188.e5	24.6	30
72	Engineering transferrable microvascular meshes for subcutaneous islet transplantation. <i>Nature Communications</i> , <b>2019</b> , 10, 4602	17.4	26
71	Scalable Production and Cryostorage of Organoids Using Core-Shell Decoupled Hydrogel Capsules. <i>Advanced Biology</i> , <b>2017</b> , 1, 1700165	3.5	25
70	Genome-wide DNA methylation profiling of peripheral blood reveals an epigenetic signature associated with severe COVID-19. <i>Journal of Leukocyte Biology</i> , <b>2021</b> , 110, 21-26	6.5	25
69	Preclinical assessment of antiviral combination therapy in a genetically humanized mouse model for hepatitis delta virus infection. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	23
68	Identification of the Intragenomic Promoter Controlling Hepatitis E Virus Subgenomic RNA Transcription. <i>MBio</i> , <b>2018</b> , 9,	7.8	21
67	Pre- and peri-implantation Zika virus infection impairs fetal development by targeting trophectoderm cells. <i>Nature Communications</i> , <b>2019</b> , 10, 4155	17.4	19
66	The FDA-approved drug Alectinib compromises SARS-CoV-2 nucleocapsid phosphorylation and inhibits viral infection in vitro <b>2020</b> ,		19
65	Long-term in vivo biocompatibility of single-walled carbon nanotubes. <i>PLoS ONE</i> , <b>2020</b> , 15, e0226791	3.7	17
64	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> , <b>2015</b> , 63, 1323-33	13.4	16
63	Analysis of Host Responses to Hepatitis B and Delta Viral Infections in a Micro-scalable Hepatic Co-culture System. <i>Hepatology</i> , <b>2020</b> , 71, 14-30	11.2	16
62	Cardiomyocytes recruit monocytes upon SARS-CoV-2 infection by secreting $\gamma$ -GAL2. <i>Stem Cell Reports</i> , <b>2021</b> , 16, 2274-2288	8	13
61	An Immuno-Cardiac Model for Macrophage-Mediated Inflammation in COVID-19 Hearts. <i>Circulation Research</i> , <b>2021</b> , 129, 33-46	15.7	11
60	Hedgehog Signaling Demarcates a Niche of Fibrogenic Peribiliary Mesenchymal Cells. <i>Gastroenterology</i> , <b>2020</b> , 159, 624-638.e9	13.3	11
59	The NF- $\kappa$ B Transcriptional Footprint Is Essential for SARS-CoV-2 Replication. <i>Journal of Virology</i> , <b>2021</b> , 95, e0125721	6.6	11
58	Aramchol downregulates stearyl CoA-desaturase 1 in hepatic stellate cells to attenuate cellular fibrogenesis. <i>JHEP Reports</i> , <b>2021</b> , 3, 100237	10.3	10

57	SARS-CoV-2 infection in hamsters and humans results in lasting and unique systemic perturbations post recovery. <i>Science Translational Medicine</i> ,	17.5	9
56	Pluripotent Stem Cell-Derived Hepatocyte-like Cells: A Tool to Study Infectious Disease. <i>Current Pathobiology Reports</i> , <b>2016</b> , 4, 147-156	2	8
55	Targeting Hepatitis B Virus Covalently Closed Circular DNA and Hepatitis B Virus X Protein: Recent Advances and New Approaches. <i>ACS Infectious Diseases</i> , <b>2019</b> , 5, 1657-1667	5.5	7
54	Hepatic stem cells. <i>Methods in Molecular Biology</i> , <b>2010</b> , 640, 167-79	1.4	7
53	Inflammatory Responses in the Placenta upon SARS-CoV-2 Infection Late in Pregnancy.. <i>IScience</i> , <b>2022</b> , 104223	6.1	6
52	Peptide-based scaffolds for the culture and maintenance of primary human hepatocytes. <i>Scientific Reports</i> , <b>2021</b> , 11, 6772	4.9	5
51	SARS-CoV-2 Infection Causes Dopaminergic Neuron Senescence <b>2021</b> ,		5
50	SARS-CoV-2 Infects Syncytiotrophoblast and Activates Inflammatory Responses in the Placenta <b>2021</b> ,		5
49	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> , <b>2021</b> , 27, 105	6.2	5
48	Disulfiram inhibits neutrophil extracellular trap formation protecting rodents from acute lung injury and SARS-CoV-2 infection.. <i>JCI Insight</i> , <b>2022</b> ,	9.9	4
47	Modeling COVID-19 with Human Pluripotent Stem Cell-Derived Cells Reveals Synergistic Effects of Anti-inflammatory Macrophages with ACE2 Inhibition Against SARS-CoV-2		4
46	SARS-CoV-2 Infected Cardiomyocytes Recruit Monocytes by Secreting CCL2 <b>2020</b> ,		4
45	An airway organoid-based screen identifies a role for the HIF1 $\alpha$ glycolysis axis in SARS-CoV-2 infection. <i>Cell Reports</i> , <b>2021</b> , 37, 109920	10.6	4
44	Coagulation factors directly cleave SARS-CoV-2 spike and enhance viral entry.. <i>ELife</i> , <b>2022</b> , 11,	8.9	4
43	SARS-CoV-2 infection results in lasting and systemic perturbations post recovery		3
42	SARS-CoV-2 Ion Channel ORF3a Enables TMEM16F-Dependent Phosphatidylserine Externalization to Augment Procoagulant Activity of the Tenase and Prothrombinase Complexes. <i>Blood</i> , <b>2021</b> , 138, 1-1	2.2	3
41	Hyperglycemia in Acute COVID-19 is Characterized by Adipose Tissue Dysfunction and Insulin Resistance <b>2021</b> ,		3
40	Cell and Tissue Therapy for the Treatment of Chronic Liver Disease. <i>Annual Review of Biomedical Engineering</i> , <b>2021</b> , 23, 517-546	12	3

39	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> , <b>2018</b> ,	1.6	2
38	System-wide transcriptome damage and tissue identity loss in COVID-19 patients.. <i>Cell Reports Medicine</i> , <b>2022</b> , 3, 100522	18	2
37	Conservation of cell-intrinsic immune responses in diverse nonhuman primate species. <i>Life Science Alliance</i> , <b>2019</b> , 2,	5.8	2
36	Hepatology Highlights. <i>Hepatology</i> , <b>2021</b> , 74, 1-4	11.2	2
35	Specification of fetal liver endothelial progenitors to functional zonated adult sinusoids requires c-Maf induction.. <i>Cell Stem Cell</i> , <b>2022</b> ,	18	2
34	Hepatology Highlights. <i>Hepatology</i> , <b>2019</b> , 69, 2311-2314	11.2	1
33	Hepatology Highlights. <i>Hepatology</i> , <b>2020</b> , 71, 1-3	11.2	1
32	Hepatology Highlights. <i>Hepatology</i> , <b>2019</b> , 70, 1497-1499	11.2	1
31	Adenosine deaminase 2 produced by infiltrative monocytes promotes liver fibrosis in nonalcoholic fatty liver disease. <i>Cell Reports</i> , <b>2021</b> , 37, 109897	10.6	1
30	Hepatology Highlights. <i>Hepatology</i> , <b>2019</b> , 69, 1-4	11.2	1
29	SARS-CoV-2 Infection Induces Ferroptosis of Sinoatrial Node Pacemaker Cells.. <i>Circulation Research</i> , <b>2022</b> , CIRCRESAHA121320518	15.7	1
28	Dementia-linked TDP-43 dysregulation in astrocytes impairs memory, antiviral signaling, and chemokine-mediated astrocytic-neuronal interactions.. <i>Alzheimers and Dementia</i> , <b>2021</b> , 17 Suppl 2, e058562	1.2	1
27	Hepatology Highlights. <i>Hepatology</i> , <b>2021</b> , 73, 2085-2088	11.2	0
26	Hepatology Highlights. <i>Hepatology</i> , <b>2019</b> , 69, 469-472	11.2	
25	Hepatology Highlights. <i>Hepatology</i> , <b>2019</b> , 69, 1365-1368	11.2	
24	Hepatology Highlights. <i>Hepatology</i> , <b>2019</b> , 69, 1849-1851	11.2	
23	Hepatology Highlights. <i>Hepatology</i> , <b>2020</b> , 72, 1893-1896	11.2	
22	Hepatology Highlights. <i>Hepatology</i> , <b>2020</b> , 72, 1505-1508	11.2	

21	Hepatology Highlights. <i>Hepatology</i> , <b>2020</b> , 71, 771-773	11.2
20	Hepatology Highlights. <i>Hepatology</i> , <b>2020</b> , 71, 405-407	11.2
19	Hepatology Highlights. <i>Hepatology</i> , <b>2020</b> , 71, 1527-1529	11.2
18	Hepatology Highlights. <i>Hepatology</i> , <b>2020</b> , 71, 1143-1145	11.2
17	Hepatology Highlights. <i>Hepatology</i> , <b>2018</b> , 67, 817-819	11.2
16	Hepatology Highlights. <i>Hepatology</i> , <b>2018</b> , 67, 1647-1650	11.2
15	Hepatology Highlights. <i>Hepatology</i> , <b>2018</b> , 67, 1195-1197	11.2
14	Hepatology Highlights. <i>Hepatology</i> , <b>2021</b> , 74, 2329-2332	11.2
13	Hepatology Highlights. <i>Hepatology</i> , <b>2020</b> , 72, 369-370	11.2
12	Hepatology Highlights. <i>Hepatology</i> , <b>2021</b> , 73, 877-880	11.2
11	Hepatology Highlights. <i>Hepatology</i> , <b>2021</b> , 73, 1627-1630	11.2
10	Hepatology Highlights. <i>Hepatology</i> , <b>2021</b> , 73, 1245-1247	11.2
9	Hepatology Highlights. <i>Hepatology</i> , <b>2019</b> , 69, 927-930	11.2
8	Hepatology Highlights. <i>Hepatology</i> , <b>2019</b> , 70, 1881-1884	11.2
7	Hepatology Highlights. <i>Hepatology</i> , <b>2021</b> , 73, 1-3	11.2
6	Hepatology Highlights. <i>Hepatology</i> , <b>2021</b> , 73, 475-478	11.2
5	Hepatology Highlights. <i>Hepatology</i> , <b>2021</b> , 74, 539-542	11.2
4	Hepatology Highlights. <i>Hepatology</i> , <b>2021</b> , 74, 1137-1140	11.2

- 3 Hepatology Highlights. *Hepatology*, **2021**, 74, 1727-1729 11.2
- 2 Human biliary epithelial cells for regenerative medicine.. *Cell Stem Cell*, **2022**, 29, 345-347 18
- 1 Booster vaccines for COVID-19 vaccine breakthrough cases?. *Lancet, The*, **2022**, 399, 1224 40