

# Peter J Attayek

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

380  
citations

840776

11  
h-index

996975

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15  
all docs

15  
docs citations

15  
times ranked

676  
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-throughput platform for stem cell niche co-cultures and downstream gene expression analysis. <i>Nature Cell Biology</i> , 2015, 17, 340-349.	10.3	133
2	An <i>in vitro</i> intestinal platform with a self-sustaining oxygen gradient to study the human gut/microbiome interface. <i>Biofabrication</i> , 2020, 12, 015006.	7.1	66
3	Molecular transport through primary human small intestinal monolayers by culture on a collagen scaffold with a gradient of chemical cross-linking. <i>Journal of Biological Engineering</i> , 2019, 13, 36.	4.7	24
4	In Vitro Polarization of Colonoids to Create an Intestinal Stem Cell Compartment. <i>PLoS ONE</i> , 2016, 11, e0153795.	2.5	20
5	<i>In Vitro</i> Generation of Mouse Colon Crypts. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2502-2513.	5.2	20
6	Micropallet arrays for the capture, isolation and culture of circulating tumor cells from whole blood of mice engrafted with primary human pancreatic adenocarcinoma. <i>Biosensors and Bioelectronics</i> , 2014, 54, 476-483.	10.1	19
7	Formation of arrays of planar, murine, intestinal crypts possessing a stem/proliferative cell compartment and differentiated cell zone. <i>Lab on A Chip</i> , 2018, 18, 2202-2213.	6.0	18
8	Automated microraft platform to identify and collect non-adherent cells successfully gene-edited with CRISPR-Cas9. <i>Biosensors and Bioelectronics</i> , 2017, 91, 175-182.	10.1	17
9	Array-Based Platform To Select, Release, and Capture Epstein-Barr Virus-Infected Cells Based on Intercellular Adhesion. <i>Analytical Chemistry</i> , 2015, 87, 12281-12289.	6.5	16
10	Microphysiological system design: simplicity is elegance. <i>Current Opinion in Biomedical Engineering</i> , 2020, 13, 94-102.	3.4	16
11	Identification and isolation of antigen-specific cytotoxic T lymphocytes with an automated microraft sorting system. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 1208-1220.	1.3	13
12	Isolation and in Vitro Culture of Rare Cancer Stem Cells from Patient-Derived Xenografts of Pancreatic Ductal Adenocarcinoma. <i>Analytical Chemistry</i> , 2013, 85, 7271-7278.	6.5	10
13	Automated platform for cell selection and separation based on four-dimensional motility and matrix degradation. <i>Analyst, The</i> , 2020, 145, 2731-2742.	3.5	6
14	A dosimetric model for the heterogeneous delivery of radioactive nanoparticles In vivo: a feasibility study. <i>Radiation Oncology</i> , 2017, 12, 54.	2.7	1
15	Hyperglycemia minimally alters primary self-renewing human colonic epithelial cells while TNF $\alpha$ -promotes severe intestinal epithelial dysfunction. <i>Integrative Biology (United Kingdom)</i> , 2021, 13, 139-152.	1.3	1