

# Samuel S Hinman

## List of Publications by Year in descending order

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21  
papers

610  
citations

623734

14  
h-index

713466

21  
g-index

24  
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24  
docs citations

24  
times ranked

930  
citing authors

#	ARTICLE	IF	CITATIONS
1	Suspended Collagen Hydrogels to Replicate Human Colonic Epithelial Cell Interactions with Immune Cells. <i>Advanced Biology</i> , 2022, 6, .	2.5	3
2	In vitro generation of self-renewing human intestinal epithelia over planar and shaped collagen hydrogels. <i>Nature Protocols</i> , 2021, 16, 352-382.	12.0	41
3	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
4	Stem/Proliferative and Differentiated Cells within Primary Murine Colonic Epithelium Display Distinct Intracellular Free Ca <sup>2+</sup> Signal Codes. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101318.	7.6	2
5	Magnetically-propelled fecal surrogates for modeling the impact of solid-induced shear forces on primary colonic epithelial cells. <i>Biomaterials</i> , 2021, 276, 121059.	11.4	3
6	Microphysiological system design: simplicity is elegance. <i>Current Opinion in Biomedical Engineering</i> , 2020, 13, 94-102.	3.4	16
7	Antifouling Lipid Membranes over Protein A for Orientation-Controlled Immunosensing in Undiluted Serum and Plasma. <i>ACS Sensors</i> , 2019, 4, 1774-1782.	7.8	21
8	Photopatterned Membranes and Chemical Gradients Enable Scalable Phenotypic Organization of Primary Human Colon Epithelial Models. <i>Analytical Chemistry</i> , 2019, 91, 15240-15247.	6.5	19
9	Primary Cell-Derived Intestinal Models: Recapitulating Physiology. <i>Trends in Biotechnology</i> , 2019, 37, 744-760.	9.3	79
10	Bioengineered Systems and Designer Matrices That Recapitulate the Intestinal Stem Cell Niche. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 5, 440-453.e1.	4.5	57
11	Surface Plasmon Resonance: Material and Interface Design for Universal Accessibility. <i>Analytical Chemistry</i> , 2018, 90, 19-39.	6.5	113
12	Efficient label-free chemiluminescent immunosensor based on dual functional cupric oxide nanorods as peroxidase mimics. <i>Biosensors and Bioelectronics</i> , 2018, 100, 304-311.	10.1	77
13	DNA Linkers and Diluents for Ultrastable Gold Nanoparticle Bioconjugates in Multiplexed Assay Development. <i>Analytical Chemistry</i> , 2017, 89, 4272-4279.	6.5	23
14	Mix and Match: Coassembly of Amphiphilic Dendrimers and Phospholipids Creates Robust, Modular, and Controllable Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 1029-1035.	8.0	17
15	Selective protein recognition in supported lipid bilayer arrays by tailored, dual-mode deep cavitand hosts. <i>Soft Matter</i> , 2017, 13, 3966-3974.	2.7	6
16	Plasmonic Sensing with 3D Printed Optics. <i>Analytical Chemistry</i> , 2017, 89, 12626-12630.	6.5	42
17	Plasmonic nanodisc arrays on calcinated titania for multimodal analysis of phosphorylated peptides. <i>RSC Advances</i> , 2017, 7, 48068-48076.	3.6	3
18	Bioinspired assemblies and plasmonic interfaces for electrochemical biosensing. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 136-146.	3.8	10

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19	Calcinated gold nanoparticle arrays for on-chip, multiplexed and matrix-free mass spectrometric analysis of peptides and small molecules. <i>Nanoscale</i> , 2016, 8, 1665-1675.	5.6	37
20	On-Demand Formation of Supported Lipid Membrane Arrays by Trehalose-Assisted Vesicle Delivery for SPR Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17122-17130.	8.0	23
21	Nanoglassified, Optically-Active Monolayer Films of Gold Nanoparticles for in Situ Orthogonal Detection by Localized Surface Plasmon Resonance and Surface-Assisted Laser Desorption/Ionization-MS. <i>Analytical Chemistry</i> , 2014, 86, 11942-11945.	6.5	16