

# Wen-Kai Hsiao

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

695  
citations

623188

14  
h-index

580395

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adult rat retinal ganglion cells and glia can be printed by piezoelectric inkjet printing. <i>Biofabrication</i> , 2014, 6, 015001.	3.7	152
2	3D printing of oral drugs: a new reality or hype?. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 1-4.	2.4	88
3	Orodispersible films: Towards drug delivery in special populations. <i>International Journal of Pharmaceutics</i> , 2017, 523, 327-335.	2.6	70
4	How PEDOT:PSS solutions produce satellite-free inkjets. <i>Organic Electronics</i> , 2012, 13, 3259-3262.	1.4	49
5	Inkjet printing of weakly elastic polymer solutions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2014, 205, 1-10.	1.0	37
6	Three-dimensional printing of the retina. <i>Current Opinion in Ophthalmology</i> , 2016, 27, 262-267.	1.3	36
7	Determination of dynamic surface tension and viscosity of non-Newtonian fluids from drop oscillations. <i>Physics of Fluids</i> , 2014, 26, .	1.6	33
8	Oscillations of aqueous PEDOT:PSS fluid droplets and the properties of complex fluids in drop-on-demand inkjet printing. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 223, 28-36.	1.0	31
9	Ink Jet Printing for Direct Mask Deposition in Printed Circuit Board Fabrication. <i>Journal of Imaging Science and Technology</i> , 2009, 53, 50304-1-50304-8.	0.3	24
10	Can 3D printing of oral drugs help fight the current COVID-19 pandemic (and similar crisis in the) Tj ETQq0 0 0 rgBT, Overlock, 10 Tf 50 3	2.4	23
11	Printing Stable Liquid Tracks on a Surface with Finite Receding Contact Angle. <i>Langmuir</i> , 2014, 30, 12447-12455.	1.6	21
12	Drop Speeds from Drop-on-Demand Ink-Jet Print Heads. <i>Journal of Imaging Science and Technology</i> , 2013, 57, 1-11.	0.3	20
13	Measurement of residence time distributions and material tracking on three continuous manufacturing lines. <i>International Journal of Pharmaceutics</i> , 2019, 563, 184-197.	2.6	19
14	Breakup of asymmetric liquid ligaments. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	17
15	Feeding of particle-based materials in continuous solid dosage manufacturing: a material science perspective. <i>Drug Discovery Today</i> , 2020, 25, 800-806.	3.2	14
16	The Effects of Wetting and Surface Roughness on Liquid Metal Droplet Bouncing. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2009, 131, .	1.3	10
17	Near-Infrared Hyperspectral Imaging as a Monitoring Tool for On-Demand Manufacturing of Inkjet-Printed Formulations. <i>AAPS PharmSciTech</i> , 2021, 22, 211.	1.5	10
18	Model-based approach to the design of pharmaceutical roller-compaction processes. <i>International Journal of Pharmaceutics: X</i> , 2019, 1, 100005.	1.2	9

#	ARTICLE	IF	CITATIONS
19	Time-Resolved Particle Image Velocimetry within the Nozzle of a Drop-on-Demand Printhead. Journal of Imaging Science and Technology, 2012, 56, 1-6.	0.3	7
20	Jetting of Complex Fluids. Journal of Imaging Science and Technology, 2013, 57, 40403-1-40403-10.	0.3	6
21	Deep convolutional neural networks: Outperforming established algorithms in the evaluation of industrial optical coherence tomography (OCT) images of pharmaceutical coatings. International Journal of Pharmaceutics: X, 2020, 2, 100058.	1.2	5
22	Effect of Surface Roughness on Droplet Bouncing in Droplet-Based Manufacturing Processes. CIRP Annals - Manufacturing Technology, 2006, 55, 209-212.	1.7	4
23	Can Liposomes Survive Inkjet Printing? The Effect of Jetting on Key Liposome Attributes for Drug Delivery Applications. Journal of Pharmaceutical Innovation, 2023, 18, 497-505.	1.1	4
24	Behavior of Ink Jet Printed Drops on a Corona-Treated Polymeric Film Substrate. Journal of Imaging Science and Technology, 2011, 55, 050606.	0.3	1
25	Shedding light on the unseen: advanced sensing and control solutions to unlock better-coated drug product quality. Expert Opinion on Drug Delivery, 2020, 17, 1177-1180.	2.4	1