

# Alison M Hayward

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6980134/publications.pdf>

Version: 2024-02-01

26  
papers

1,809  
citations

394286

19  
h-index

552653

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2172  
citing authors

#	ARTICLE	IF	CITATIONS
1	An ingestible bacterial-electronic system to monitor gastrointestinal health. <i>Science</i> , 2018, 360, 915-918.	6.0	380
2	An ingestible self-orienting system for oral delivery of macromolecules. <i>Science</i> , 2019, 363, 611-615.	6.0	287
3	Development of an oral once-weekly drug delivery system for HIV antiretroviral therapy. <i>Nature Communications</i> , 2018, 9, 2.	5.8	180
4	A luminal unfolding microneedle injector for oral delivery of macromolecules. <i>Nature Medicine</i> , 2019, 25, 1512-1518.	15.2	167
5	3D-Printed Gastric Resident Electronics. <i>Advanced Materials Technologies</i> , 2019, 4, 1800490.	3.0	72
6	Light-degradable hydrogels as dynamic triggers for gastrointestinal applications. <i>Science Advances</i> , 2020, 6, eaay0065.	4.7	71
7	A microneedle platform for buccal macromolecule delivery. <i>Science Advances</i> , 2021, 7, .	4.7	70
8	Oral delivery of systemic monoclonal antibodies, peptides and small molecules using gastric auto-injectors. <i>Nature Biotechnology</i> , 2022, 40, 103-109.	9.4	64
9	Dynamic omnidirectional adhesive microneedle system for oral macromolecular drug delivery. <i>Science Advances</i> , 2022, 8, eabk1792.	4.7	54
10	Kirigami-inspired stents for sustained local delivery of therapeutics. <i>Nature Materials</i> , 2021, 20, 1085-1092.	13.3	52
11	Temperature-responsive biometamaterials for gastrointestinal applications. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	51
12	Oral mRNA delivery using capsule-mediated gastrointestinal tissue injections. <i>Matter</i> , 2022, 5, 975-987.	5.0	48
13	A gastric resident drug delivery system for prolonged gram-level dosing of tuberculosis treatment. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	38
14	Gastrointestinal synthetic epithelial linings. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	36
15	Ingestible transiently anchoring electronics for microstimulation and conductive signaling. <i>Science Advances</i> , 2020, 6, eaaz0127.	4.7	35
16	Robotically handled whole-tissue culture system for the screening of oral drug formulations. <i>Nature Biomedical Engineering</i> , 2020, 4, 544-559.	11.6	35
17	Natural and Experimental <i>Helicobacter mustelae</i> Reinfection Following Successful Antimicrobial Eradication in Ferrets. <i>Helicobacter</i> , 1996, 1, 34-42.	1.6	34
18	A once-a-month oral contraceptive. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	33

#	ARTICLE	IF	CITATIONS
19	A rapidly deployable individualized system for augmenting ventilator capacity. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	23
20	Delivery of therapeutic carbon monoxide by gas-entrapping materials. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	21
21	Development of oil-based gels as versatile drug delivery systems for pediatric applications. <i>Science Advances</i> , 2022, 8, .	4.7	19
22	Development of a long-acting direct-acting antiviral system for hepatitis C virus treatment in swine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11987-11994.	3.3	15
23	Implantable system for chronotherapy. <i>Science Advances</i> , 2021, 7, eabj4624.	4.7	9
24	Scalable Gastric Resident Systems for Veterinary Application. <i>Scientific Reports</i> , 2018, 8, 11816.	1.6	8
25	Dynamic Monitoring of Systemic Biomarkers with Gastric Sensors. <i>Advanced Science</i> , 2021, 8, e2102861.	5.6	5
26	Accuracy of cardiac ablation catheter guidance by means of a single equivalent moving dipole inverse algorithm to identify sites of origin of cardiac electrical activation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2020, 58, 323-331.	0.6	2