

Dean Ho

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

7,758
citations

39
h-index

88
g-index

111
ext. papers

8,673
ext. citations

10.1
avg, IF

6.29
L-index

#	Paper	IF	Citations
90	Characteristics of Mobile Health Platforms for Depression and Anxiety: Content Analysis Through a Systematic Review of the Literature and Systematic Search of Two App Stores.. <i>Journal of Medical Internet Research</i> , 2022 , 24, e27388	7.6	1
89	Understanding the user: Patients' perception, needs, and concerns of health apps for chronic constipation. <i>Digital Health</i> , 2022 , 8, 205520762211046	4	0
88	Blockchain applications in health care for COVID-19 and beyond: a systematic review. <i>The Lancet Digital Health</i> , 2021 , 3, e819-e829	14.4	13
87	Fighting viruses with materials science: Prospects for antiviral surfaces, drug delivery systems and artificial intelligence. <i>Dental Materials</i> , 2021 , 37, 496-507	5.7	5
86	Personalised, Rational, Efficacy-Driven Cancer Drug Dosing an Artificial Intelligence System (PRECISE): A Protocol for the PRECISE CURATE.AI Pilot Clinical Trial. <i>Frontiers in Digital Health</i> , 2021 , 3, 635524	2.3	4
85	IDentif.AI: Rapidly optimizing combination therapy design against severe Acute Respiratory Syndrome Coronavirus 2 (SARS-Cov-2) with digital drug development. <i>Bioengineering and Translational Medicine</i> , 2021 , 6, e10196	14.8	9
84	Harnessing CURATE.AI for N-of-1 Optimization Analysis of Combination Therapy in Hypertension Patients: A Retrospective Case Series. <i>Advanced Therapeutics</i> , 2021 , 4, 2100091	4.9	3
83	Improving the therapeutic ratio of radiotherapy against radioresistant cancers: Leveraging on novel artificial intelligence-based approaches for drug combination discovery. <i>Cancer Letters</i> , 2021 , 511, 56-67	9.9	5
82	Artificial intelligence in cancer therapy. <i>Science</i> , 2020 , 367, 982-983	33.3	36
81	Enabling Technologies for Personalized and Precision Medicine. <i>Trends in Biotechnology</i> , 2020 , 38, 497-518	18.1	71
80	Addressing COVID-19 Drug Development with Artificial Intelligence. <i>Advanced Intelligent Systems</i> , 2020 , 2, 2000070	6	28
79	Abstract CT268: CURATE.AI-optimized modulation for multiple myeloma: An N-of-1 randomized trial 2020 ,		3
78	Harnessing Artificial Intelligence to Optimize Long-Term Maintenance Dosing for Antiretroviral-Naive Adults with HIV-1 Infection. <i>Advanced Therapeutics</i> , 2020 , 3, 1900114	4.9	7
77	The role of artificial intelligence in scaling nanomedicine toward broad clinical impact 2020 , 385-407		6
76	Harnessing an Artificial Intelligence Platform to Dynamically Individualize Combination Therapy for Treating Colorectal Carcinoma in a Rat Model. <i>Advanced Therapeutics</i> , 2020 , 3, 1900127	4.9	5
75	Project IDentif.AI: Harnessing Artificial Intelligence to Rapidly Optimize Combination Therapy Development for Infectious Disease Intervention. <i>Advanced Therapeutics</i> , 2020 , 3, 2000034	4.9	26
74	Artificial intelligence in nanomedicine. <i>Nanoscale Horizons</i> , 2019 , 4, 365-377	10.8	41

73	Harnessing CURATE.AI as a Digital Therapeutics Platform by Identifying N-of-1 Learning Trajectory Profiles. <i>Advanced Therapeutics</i> , 2019 , 2, 1900023	4.9	14
72	Water-Soluble Nanoconjugate for Enhanced Cellular Delivery of Receptor-Targeted Magnetic Resonance Contrast Agents. <i>Bioconjugate Chemistry</i> , 2019 , 30, 2947-2957	6.3	6
71	Synthesis and Characterization of Nanodiamond-Growth Factor Complexes Toward Applications in Oral Implantation and Regenerative Medicine. <i>Journal of Oral Implantology</i> , 2018 , 44, 207-211	1.2	3
70	Optimizing drug combinations against multiple myeloma using a quadratic phenotypic optimization platform (QPOP). <i>Science Translational Medicine</i> , 2018 , 10,	17.5	43
69	Clinical Applications of Carbon Nanomaterials in Diagnostics and Therapy. <i>Advanced Materials</i> , 2018 , 30, e1802368	24	100
68	Theranostic Nanoparticles for Tracking and Monitoring Disease State. <i>SLAS Technology</i> , 2018 , 23, 281-293	3	50
67	Modulating BET Bromodomain Inhibitor ZEN-3694 and Enzalutamide Combination Dosing in a Metastatic Prostate Cancer Patient Using CURATE.AI, an Artificial Intelligence Platform. <i>Advanced Therapeutics</i> , 2018 , 1, 1800104	4.9	38
66	Optimizing Combination Therapy for Acute Lymphoblastic Leukemia Using a Phenotypic Personalized Medicine Digital Health Platform: Retrospective Optimization Individualizes Patient Regimens to Maximize Efficacy and Safety. <i>SLAS Technology</i> , 2017 , 22, 276-288	3	20
65	Clinical validation of a nanodiamond-embedded thermoplastic biomaterial. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E9445-E9454	11.5	43
64	Reducing posttreatment relapse in cleft lip palatal expansion using an injectable estrogen-nanodiamond hydrogel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E7218-E7225	11.5	16
63	Nanodiamond-Gadolinium(III) Aggregates for Tracking Cancer Growth In Vivo at High Field. <i>Nano Letters</i> , 2016 , 16, 7551-7564	11.5	44
62	Biocompatibility Assessment of Detonation Nanodiamond in Non-Human Primates and Rats Using Histological, Hematologic, and Urine Analysis. <i>ACS Nano</i> , 2016 , 10, 7385-400	16.7	91
61	Individualizing liver transplant immunosuppression using a phenotypic personalized medicine platform. <i>Science Translational Medicine</i> , 2016 , 8, 333ra49	17.5	71
60	Combinatorial release of dexamethasone and amiodarone from a nano-structured parylene-C film to reduce perioperative inflammation and atrial fibrillation. <i>Nanoscale</i> , 2016 , 8, 4267-75	7.7	12
59	Diamonds, Digital Health, and Drug Development: Optimizing Combinatorial Nanomedicine. <i>ACS Nano</i> , 2016 , 10, 9087-9092	16.7	25
58	Accelerating the Translation of Nanomaterials in Biomedicine. <i>ACS Nano</i> , 2015 , 9, 6644-54	16.7	220
57	Identification and Optimization of Combinatorial Glucose Metabolism Inhibitors in Hepatocellular Carcinomas. <i>Journal of the Association for Laboratory Automation</i> , 2015 , 20, 423-37		25
56	Nanodiamond-Gutta Percha Composite Biomaterials for Root Canal Therapy. <i>ACS Nano</i> , 2015 , 9, 11490-5017	16.7	98

55	Nanodiamonds: The intersection of nanotechnology, drug development, and personalized medicine. <i>Science Advances</i> , 2015 , 1, e1500439	14.3	141
54	Nanodiamond-mediated drug delivery and imaging: challenges and opportunities. <i>Expert Opinion on Drug Delivery</i> , 2015 , 12, 735-49	8	85
53	Nanodiamond-based chemotherapy and imaging. <i>Cancer Treatment and Research</i> , 2015 , 166, 85-102	3.5	16
52	Mechanism-independent optimization of combinatorial nanodiamond and unmodified drug delivery using a phenotypically driven platform technology. <i>ACS Nano</i> , 2015 , 9, 3332-44	16.7	77
51	Multiscale modeling and uncertainty quantification in nanoparticle-mediated drug/gene delivery. <i>Computational Mechanics</i> , 2014 , 53, 511-537	4	43
50	Nanodiamond-mitoxantrone complexes enhance drug retention in chemoresistant breast cancer cells. <i>Molecular Pharmaceutics</i> , 2014 , 11, 2683-91	5.6	68
49	Comprehensive interrogation of the cellular response to fluorescent, detonation and functionalized nanodiamonds. <i>Nanoscale</i> , 2014 , 6, 11712-21	7.7	55
48	Diamond nanogel-embedded contact lenses mediate lysozyme-dependent therapeutic release. <i>ACS Nano</i> , 2014 , 8, 2998-3005	16.7	151
47	Nanomedicine for global health. <i>Journal of the Association for Laboratory Automation</i> , 2014 , 19, 511-6		13
46	Epirubicin-adsorbed nanodiamonds kill chemoresistant hepatic cancer stem cells. <i>ACS Nano</i> , 2014 , 8, 12151-66	16.7	143
45	Introducing the 2014 JALA Ten Honorees. <i>Journal of the Association for Laboratory Automation</i> , 2014 , 19, 119-124		
44	Convection-enhanced delivery of nanodiamond drug delivery platforms for intracranial tumor treatment. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 381-91	6	99
43	Synthesis of nanodiamond-daunorubicin conjugates to overcome multidrug chemoresistance in leukemia. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 359-69	6	63
42	Cancer nanomedicine: from drug delivery to imaging. <i>Science Translational Medicine</i> , 2013 , 5, 216rv4	17.5	351
41	Diamond-lipid hybrids enhance chemotherapeutic tolerance and mediate tumor regression. <i>Advanced Materials</i> , 2013 , 25, 3532-41	24	97
40	Introducing the 2013 JALA Ten. <i>Journal of the Association for Laboratory Automation</i> , 2013 , 18, 105-110		
39	Cancer Therapy: Diamond-Lipid Hybrids Enhance Chemotherapeutic Tolerance and Mediate Tumor Regression (Adv. Mater. 26/2013). <i>Advanced Materials</i> , 2013 , 25, 3502-3502	24	1
38	Diamond as a nanomedical agent for versatile applications in drug delivery, imaging, and sensing. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 1609-1618	1.6	35

37	Nanodiamond-therapeutic complexes embedded within poly(ethylene glycol) diacrylate hydrogels mediating sequential drug elution. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 1811-1818	1.6	15
36	From the Editor-in-Chief: The JALA Special Issues on Robotics in Laboratory Automation. <i>Journal of the Association for Laboratory Automation</i> , 2012 , 17, 323		
35	From the Editor-in-Chief: The 2013 JALA Ten: Call for Nominations. <i>Journal of the Association for Laboratory Automation</i> , 2012 , 17, 165		
34	The properties and applications of nanodiamonds. <i>Nature Nanotechnology</i> , 2011 , 7, 11-23	28.7	1955
33	Triggered release of therapeutic antibodies from nanodiamond complexes. <i>Nanoscale</i> , 2011 , 3, 2844-8	7.7	89
32	Strategy for increasing drug solubility and efficacy through covalent attachment to polyvalent DNA-nanoparticle conjugates. <i>ACS Nano</i> , 2011 , 5, 6962-70	16.7	100
31	Nanodiamond therapeutic delivery agents mediate enhanced chemoresistant tumor treatment. <i>Science Translational Medicine</i> , 2011 , 3, 73ra21	17.5	421
30	Atomistic simulation and measurement of pH dependent cancer therapeutic interactions with nanodiamond carrier. <i>Molecular Pharmaceutics</i> , 2011 , 8, 368-74	5.6	97
29	Multimodal nanodiamond drug delivery carriers for selective targeting, imaging, and enhanced chemotherapeutic efficacy. <i>Advanced Materials</i> , 2011 , 23, 4770-5	24	186
28	System control-mediated drug delivery towards complex systems via nanodiamond carriers. <i>International Journal of Smart and Nano Materials</i> , 2010 , 1, 69-81	3.6	6
27	Gd(III)-nanodiamond conjugates for MRI contrast enhancement. <i>Nano Letters</i> , 2010 , 10, 484-9	11.5	261
26	Nanodiamond Vectors Functionalized with Polyethylenimine for siRNA Delivery. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 3167-3171	6.4	118
25	Gold nanoparticle-mediated detection of melamine based on a dual colorimetric and turbidometric readouts 2010 ,		2
24	Nanodiamond-insulin complexes as pH-dependent protein delivery vehicles. <i>Biomaterials</i> , 2009 , 30, 5720-8	18.6	219
23	Ultrananocrystalline diamond thin films functionalized with therapeutically active collagen networks. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 2966-71	3.4	27
22	Nanodiamond-mediated delivery of water-insoluble therapeutics. <i>ACS Nano</i> , 2009 , 3, 2016-22	16.7	258
21	Beyond the sparkle: the impact of nanodiamonds as biolabeling and therapeutic agents. <i>ACS Nano</i> , 2009 , 3, 3825-9	16.7	100
20	Polymer-functionalized nanodiamond platforms as vehicles for gene delivery. <i>ACS Nano</i> , 2009 , 3, 2609-16	16.7	316

19	Consequences of strong and diverse electrostatic potential fields on the surface of detonation nanodiamond particles. <i>Diamond and Related Materials</i> , 2009 , 18, 904-909	3.5	76
18	Nanodiamond-embedded microfilm devices for localized chemotherapeutic elution. <i>ACS Nano</i> , 2008 , 2, 2095-102	16.7	164
17	The new interface of technology and medicine. <i>IEEE Nanotechnology Magazine</i> , 2008 , 2, 9-13	1.7	3
16	Protein-mediated assembly of nanodiamond hydrogels into a biocompatible and biofunctional multilayer nanofilm. <i>ACS Nano</i> , 2008 , 2, 203-12	16.7	190
15	Dynamic Cellular Adhesion Mediated by Copolymeric Nanofilm Substrates. <i>Journal of the Association for Laboratory Automation</i> , 2008 , 13, 206-214		1
14	Meniscus-Assisted Magnetic Bead Trapping on Ewod-Based Digital Microfluidics for Specific Protein Localization 2007 ,		2
13	A Combinatorial Approach Towards Functionalizing Copolymers with Effector Molecules that Attenuate Cyto-inflammatory Responses at the Biotic-abiotic Interface. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 1009, 1		
12	Active nanodiamond hydrogels for chemotherapeutic delivery. <i>Nano Letters</i> , 2007 , 7, 3305-14	11.5	471
11	Fabrication of biofunctional nanomaterials via Escherichia coli OmpF protein air/water interface insertion/integration with copolymeric amphiphiles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2006 , 2, 103-12	6	18
10	Nanomanufacturing and characterization modalities for bio-nano-informatics systems. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 875-91	1.3	18
9	Engineering Intelligent Materials for the Interrogation of Bio-robotic Architectures and Regulatory Networks 2006 ,		2
8	Engineering novel diagnostic modalities and implantable cytomimetic nanomaterials for next-generation medicine. <i>Biology of Blood and Marrow Transplantation</i> , 2006 , 12, 92-9	4.7	4
7	Block Copolymer-Based Biomembranes Functionalized with Energy Transduction Proteins. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 823, W11.8.1		2
6	Hybrid protein/polymer biomimetic membranes		1
5	Reconstitution of energy converting proteins in biocompatible materials		3
4	IDentif.AI: Artificial Intelligence Pinpoints Remdesivir in Combination with Ritonavir and Lopinavir as an Optimal Regimen Against Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2)		1
3	Safety evaluation of nanodiamond-doxorubicin complexes in a Naïve Beagle canine model using hematologic, histological, and urine analysis. <i>Nano Research</i> ,1	10	2
2	WisDM Green: Harnessing Artificial Intelligence to Design and Prioritize Compound Combinations in Peat Moss for Sustainable Farming Applications. <i>Advanced Intelligent Systems</i> ,2200095	6	

1 Overcoming Pilotitis in Digital Medicine at the Intersection of Data, Clinical Evidence, and Adoption. *Advanced Intelligent Systems*,2200056