Edward K Chow

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3868055/publications.pdf

Version: 2024-02-01

76	5,157	136885	128225
papers	citations	32 h-index	60 g-index

78	78	78	8481
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Safety evaluation of nanodiamond-doxorubicin complexes in a NaÃ¯ve Beagle canine model using hematologic, histological, and urine analysis. Nano Research, 2022, 15, 3356-3366.	5.8	11
2	Hepatocellular carcinoma organoid co-cultures mimic angiocrine crosstalk to generate inflammatory tumor microenvironment. Biomaterials, 2022, 284, 121527.	5.7	30
3	WisDM Green: Harnessing Artificial Intelligence to Design and Prioritize Compound Combinations in Peat Moss for Sustainable Farming Applications. Advanced Intelligent Systems, 2022, 4, .	3.3	1
4	Bioorthogonal Catalysis for Treatment of Solid Tumors Using Thermostable, Self-Assembling, Single Enzyme Nanoparticles and Natural Product Conversion with Indole-3-acetic Acid. ACS Nano, 2022, 16, 10292-10301.	7.3	9
5	The IDentif.AI-x pandemic readiness platform: Rapid prioritization of optimized COVID-19 combination therapy regimens. Npj Digital Medicine, 2022, 5, .	5.7	11
6	<scp>IDentif</scp>.<scp>AI</scp>: Rapidly optimizing combination therapy design against severe Acute Respiratory Syndrome Coronavirus 2 (SARSâ€Covâ€2) with digital drug development. Bioengineering and Translational Medicine, 2021, 6, e10196.	3.9	27
7	Capitalizing on Synthetic Lethality of MYC to Treat Cancer in the Digital Age. Trends in Pharmacological Sciences, 2021, 42, 166-182.	4.0	31
8	Targeting RNA editing of antizyme inhibitor 1: A potential oligonucleotide-based antisense therapy for cancer. Molecular Therapy, 2021, 29, 3258-3273.	3.7	13
9	Improving the therapeutic ratio of radiotherapy against radioresistant cancers: Leveraging on novel artificial intelligence-based approaches for drug combination discovery. Cancer Letters, 2021, 511, 56-67.	3.2	11
10	A chemical biology approach reveals a dependency of glioblastoma on biotin distribution. Science Advances, 2021, 7, eabf6033.	4.7	10
11	Enhanced penetrative siRNA delivery by a nanodiamond drug delivery platform against hepatocellular carcinoma 3D models. Nanoscale, 2021, 13, 16131-16145.	2.8	15
12	Targeting Jak/Stat pathway as a therapeutic strategy against SP/CD44+ tumorigenic cells in Akt/Î²-catenin-driven hepatocellular carcinoma. Journal of Hepatology, 2020, 72, 104-118.	1.8	88
13	Maximizing Efficiency of Artificial Intelligenceâ€Driven Drug Combination Optimization through Minimal Resolution Experimental Design. Advanced Therapeutics, 2020, 3, 1900122.	1.6	19
14	Carbon nanomaterials: fundamental concepts, biological interactions, and clinical applications. , 2020, , 223-242.		7
15	Photodynamic Therapy: A Flexiâ€PEGDA Upconversion Implant for Wireless Brain Photodynamic Therapy (Adv. Mater. 29/2020). Advanced Materials, 2020, 32, 2070219.	11.1	2
16	Whole-genome sequencing reveals potent therapeutic strategy for monomorphic epitheliotropic intestinal T-cell lymphoma. Blood Advances, 2020, 4, 4769-4774.	2.5	14
17	Frequent upregulation of G9a promotes RelB-dependent proliferation and survival in multiple myeloma. Experimental Hematology and Oncology, 2020, 9, 8.	2.0	10
18	The 2020 SLAS Technology Ten: Translating Life Sciences Innovation. SLAS Technology, 2020, 25, 1-5.	1.0	2

#	Article	IF	Citations
19	Application of an ex-vivo drug sensitivity platform towards achieving complete remission in a refractory T-cell lymphoma. Blood Cancer Journal, 2020, 10, 9.	2.8	22
20	Enabling Technologies for Personalized and Precision Medicine. Trends in Biotechnology, 2020, 38, 497-518.	4.9	169
21	Project IDentif.AI: Harnessing Artificial Intelligence to Rapidly Optimize Combination Therapy Development for Infectious Disease Intervention. Advanced Therapeutics, 2020, 3, 2000034.	1.6	44
22	Epigenetics of hepatocellular carcinoma. Clinical and Translational Medicine, 2019, 8, 13.	1.7	75
23	New High-Throughput Screening Identifies Compounds That Reduce Viability Specifically in Liver Cancer Cells That Express High Levels of SALL4 by Inhibiting Oxidative Phosphorylation. Gastroenterology, 2019, 157, 1615-1629.e17.	0.6	42
24	The 2019 SLAS Technology Ten: Translating Life Sciences Innovation. SLAS Technology, 2019, 24, 66-69.	1.0	0
25	Dualâ€Targeting Dualâ€Action Platinum(IV) Platform for Enhanced Anticancer Activity and Reduced Nephrotoxicity. Angewandte Chemie, 2019, 131, 8193-8198.	1.6	24
26	Dualâ€Targeting Dualâ€Action Platinum(IV) Platform for Enhanced Anticancer Activity and Reduced Nephrotoxicity. Angewandte Chemie - International Edition, 2019, 58, 8109-8114.	7.2	81
27	Nanodiamond-Mediated Delivery of a G9a Inhibitor for Hepatocellular Carcinoma Therapy. ACS Applied Materials & Interfaces, 2019, 11, 45427-45441.	4.0	24
28	Artificial Intelligence-Driven Designer Drug Combinations: From Drug Development to Personalized Medicine. SLAS Technology, 2019, 24, 124-125.	1.0	12
29	Generation of matched patient-derived xenograft inÂvitro-inÂvivo models using 3D macroporous hydrogels for the study of liver cancer. Biomaterials, 2018, 159, 229-240.	5.7	56
30	Datasets describing the growth and molecular features of hepatocellular carcinoma patient-derived xenograft cells grown in a three-dimensional macroporous hydrogel. Data in Brief, 2018, 18, 594-606.	0.5	3
31	Stimuli-Responsive Nanodiamond-Based Biosensor for Enhanced Metastatic Tumor Site Detection. SLAS Technology, 2018, 23, 44-56.	1.0	35
32	Applications of stimuli-responsive nanoscale drug delivery systems in translational research. Drug Discovery Today, 2018, 23, 1043-1052.	3.2	82
33	Nanodiamondâ€Based Platform for Intracellularâ€Specific Delivery of Therapeutic Peptides against Hepatocellular Carcinoma. Advanced Therapeutics, 2018, 1, 1800110.	1.6	17
34	Optimizing drug combinations against multiple myeloma using a quadratic phenotypic optimization platform (QPOP). Science Translational Medicine, 2018, 10, .	5.8	80
35	Clinical Applications of Carbon Nanomaterials in Diagnostics and Therapy. Advanced Materials, 2018, 30, e1802368.	11.1	149
36	Epigenetics in cancer stem cells. Molecular Cancer, 2017, 16, 29.	7.9	296

#	Article	IF	Citations
37	Exosomes in Cancer Nanomedicine and Immunotherapy: Prospects and Challenges. Trends in Biotechnology, 2017, 35, 665-676.	4.9	313
38	3D Culture as a Clinically Relevant Model for Personalized Medicine. SLAS Technology, 2017, 22, 245-253.	1.0	50
39	Nanodiamondâ€“Manganese dual mode MRI contrast agents for enhanced liver tumor detection. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 783-793.	1.7	46
40	The 2017 SLAS Technology Ten: Translating Life Sciences Innovation. SLAS Technology, 2017, 22, 3-6.	1.0	4
41	Welcome to the Digital World of Quantitative Biology. SLAS Technology, 2017, 22, 367-368.	1.0	0
42	Clinical validation of a nanodiamond-embedded thermoplastic biomaterial. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9445-E9454.	3.3	55
43	SLAS Technology: Translating Life Sciences Innovation. SLAS Technology, 2017, 22, 1-2.	1.0	2
44	Diamonds, Digital Health, and Drug Development: Optimizing Combinatorial Nanomedicine. ACS Nano, 2016, 10, 9087-9092.	7.3	29
45	Biocompatibility Assessment of Detonation Nanodiamond in Non-Human Primates and Rats Using Histological, Hematologic, and Urine Analysis. ACS Nano, 2016, 10, 7385-7400.	7.3	117
46	Congratulations to the 2016 JALA Ten!. Journal of the Association for Laboratory Automation, 2016, 21, 227-233.	2.8	0
47	JALA Special Issue. Journal of the Association for Laboratory Automation, 2016, 21, 234-237.	2.8	0
48	Accelerating the Translation of Nanomaterials in Biomedicine. ACS Nano, 2015, 9, 6644-6654.	7.3	279
49	JALA. Journal of the Association for Laboratory Automation, 2015, 20, 1-2.	2.8	2
50	Congratulations to The 2015 JALA Ten!. Journal of the Association for Laboratory Automation, 2015, 20, 64-69.	2.8	0
51	Identification and Optimization of Combinatorial Glucose Metabolism Inhibitors in Hepatocellular Carcinomas. Journal of the Association for Laboratory Automation, 2015, 20, 423-437.	2.8	35
52	Nanodiamonds: The intersection of nanotechnology, drug development, and personalized medicine. Science Advances, 2015, 1, e1500439.	4.7	172
53	Nanomedicine for Global Health. Journal of the Association for Laboratory Automation, 2014, 19, 511-516.	2.8	15
54	Epirubicin-Adsorbed Nanodiamonds Kill Chemoresistant Hepatic Cancer Stem Cells. ACS Nano, 2014, 8, 12151-12166.	7.3	170

#	Article	IF	Citations
55	Synthesis of nanodiamondâ€“daunorubicin conjugates to overcome multidrug chemoresistance in leukemia. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 359-369.	1.7	74
56	Nanodiamondâ€“Mitoxantrone Complexes Enhance Drug Retention in Chemoresistant Breast Cancer Cells. Molecular Pharmaceutics, 2014, 11, 2683-2691.	2.3	83
57	TRAIL-Blazing Therapy Against Circulating Tumor Cells. Science Translational Medicine, 2014, 6, .	5.8	0
58	Sifting for Diagnostic Gold. Science Translational Medicine, 2014, 6, .	5.8	0
59	Mechanisms of chemoresistance in cancer stem cells. Clinical and Translational Medicine, 2013, 2, 3.	1.7	608
60	Cancer Nanomedicine: From Drug Delivery to Imaging. Science Translational Medicine, 2013, 5, 216rv4.	5.8	404
61	Diamondâ€Lipid Hybrids Enhance Chemotherapeutic Tolerance and Mediate Tumor Regression. Advanced Materials, 2013, 25, 3532-3541.	11.1	107
62	Cancer Therapy: Diamondâ€Lipid Hybrids Enhance Chemotherapeutic Tolerance and Mediate Tumor Regression (Adv. Mater. 26/2013). Advanced Materials, 2013, 25, 3502-3502.	11.1	1
63	Shape Matters Too. Science Translational Medicine, 2013, 5, .	5.8	0
64	Now You See Me, Now You Donâ€™t. Science Translational Medicine, 2013, 5, .	5.8	0
65	Banking on Carbon. Science Translational Medicine, 2013, 5, .	5.8	0
66	One Drop, Many Possibilities. Science Translational Medicine, 2013, 5, .	5.8	0
67	Forging New Approaches to Stem Cell Tracking. Science Translational Medicine, 2013, 5, .	5.8	0
68	One Device to Find Them All. Science Translational Medicine, 2013, 5, .	5.8	0
69	Building Inner Strength. Science Translational Medicine, 2013, 5, .	5.8	0
70	Oncogene-specific formation of chemoresistant murine hepatic cancer stem cells. Hepatology, 2012, 56, 1331-1341.	3.6	87
71	Triggered release of therapeutic antibodies from nanodiamond complexes. Nanoscale, 2011, 3, 2844.	2.8	98
72	Nanodiamond Therapeutic Delivery Agents Mediate Enhanced Chemoresistant Tumor Treatment. Science Translational Medicine, 2011, 3, 73ra21.	5.8	484

#	Article	IF	Citations
73	Multimodal Nanodiamond Drug Delivery Carriers for Selective Targeting, Imaging, and Enhanced Chemotherapeutic Efficacy. Advanced Materials, 2011, 23, 4770-4775.	11.1	216
74	Nanodiamond Vectors Functionalized with Polyethylenimine for siRNA Delivery. Journal of Physical Chemistry Letters, 2010, 1, 3167-3171.	2.1	146
75	Attenuation of Cellular Inflammation Using Glucocorticoid-Functionalized Copolymers. , 2007, , .		0
76	A role for IRF3-dependent RXRÎ± repression in hepatotoxicity associated with viral infections. Journal of Experimental Medicine, 2006, 203, 2589-2602.	4.2	34