

# Alexandre Detappe

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2090469/publications.pdf>

Version: 2024-02-01

40  
papers

2,145  
citations

304743

22  
h-index

243625

44  
g-index

50  
all docs

50  
docs citations

50  
times ranked

3830  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial metabolism promotes adaptation to proteotoxic stress. <i>Nature Chemical Biology</i> , 2019, 15, 681-689.	8.0	275
2	DYNLL1 binds to MRE11 to limit DNA end resection in BRCA1-deficient cells. <i>Nature</i> , 2018, 563, 522-526.	27.8	156
3	Nanoparticle Mediated Tumor Vascular Disruption: A Novel Strategy in Radiation Therapy. <i>Nano Letters</i> , 2015, 15, 7488-7496.	9.1	143
4	Gadolinium-Based Nanoparticles and Radiation Therapy for Multiple Brain Melanoma Metastases: Proof of Concept before Phase I Trial. <i>Theranostics</i> , 2016, 6, 418-427.	10.0	134
5	The bone-marrow niche in MDS and MGUS: implications for AML and MM. <i>Nature Reviews Clinical Oncology</i> , 2018, 15, 219-233.	27.6	120
6	Ultrasmall Silica-Based Bismuth Gadolinium Nanoparticles for Dual Magnetic Resonance-Computed Tomography Image Guided Radiation Therapy. <i>Nano Letters</i> , 2017, 17, 1733-1740.	9.1	109
7	TIRR regulates 53BP1 by masking its histone methyl-lysine binding function. <i>Nature</i> , 2017, 543, 211-216.	27.8	96
8	The Mutational Landscape of Circulating Tumor Cells in Multiple Myeloma. <i>Cell Reports</i> , 2017, 19, 218-224.	6.4	92
9	AGuIX <sup>®</sup> from bench to bedside—Transfer of an ultrasmall theranostic gadolinium-based nanoparticle to clinical medicine. <i>British Journal of Radiology</i> , 2019, 92, 20180365.	2.2	86
10	Advanced multimodal nanoparticles delay tumor progression with clinical radiation therapy. <i>Journal of Controlled Release</i> , 2016, 238, 103-113.	9.9	76
11	Nanoparticle conjugates of a highly potent toxin enhance safety and circumvent platinum resistance in ovarian cancer. <i>Nature Communications</i> , 2017, 8, 2166.	12.8	71
12	Antibody-Dependent Cellular Phagocytosis by Macrophages is a Novel Mechanism of Action of Elotuzumab. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 1454-1463.	4.1	70
13	Ral GTPases promote breast cancer metastasis by controlling biogenesis and organ targeting of exosomes. <i>ELife</i> , 2021, 10, .	6.0	70
14	AGuIX nanoparticles as a promising platform for image-guided radiation therapy. <i>Cancer Nanotechnology</i> , 2015, 6, 4.	3.7	63
15	Multifaceted Impact of MicroRNA 493-5p on Genome-Stabilizing Pathways Induces Platinum and PARP Inhibitor Resistance in BRCA2-Mutated Carcinomas. <i>Cell Reports</i> , 2018, 23, 100-111.	6.4	60
16	Stereotactic modulation of blood-brain barrier permeability to enhance drug delivery. <i>Neuro-Oncology</i> , 2016, 18, 1601-1609.	1.2	56
17	Triply Loaded Nitroxide Brush-Arm Star Polymers Enable Metal-Free Millimetric Tumor Detection by Magnetic Resonance Imaging. <i>ACS Nano</i> , 2018, 12, 11343-11354.	14.6	56
18	The effect of flattening filter free delivery on endothelial dose enhancement with gold nanoparticles. <i>Medical Physics</i> , 2013, 40, 031706.	3.0	32

#	ARTICLE	IF	CITATIONS
19	Mechanism of 53BP1 activity regulation by RNA-binding TIRR and a designer protein. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 591-600.	8.2	32
20	Antibody-targeting of ultra-small nanoparticles enhances imaging sensitivity and enables longitudinal tracking of multiple myeloma. <i>Nanoscale</i> , 2019, 11, 20485-20496.	5.6	27
21	Key clinical beam parameters for nanoparticle-mediated radiation dose amplification. <i>Scientific Reports</i> , 2016, 6, 34040.	3.3	25
22	Fluorescence monitoring of rare circulating tumor cell and cluster dissemination in a multiple myeloma xenograft model in vivo. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	2.6	25
23	Advancements in Nanomedicine for Multiple Myeloma. <i>Trends in Molecular Medicine</i> , 2018, 24, 560-574.	6.7	23
24	Established and Novel Prognostic Biomarkers in Multiple Myeloma. <i>American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting</i> , 2017, 37, 548-560.	3.8	21
25	Optimal Physicochemical Properties of Antibody-Nanoparticle Conjugates for Improved Tumor Targeting. <i>Advanced Materials</i> , 2022, 34, e2110305.	21.0	21
26	Low <i>Z</i> target switching to increase tumor endothelial cell dose enhancement during gold nanoparticle-aided radiation therapy. <i>Medical Physics</i> , 2015, 43, 436-442.	3.0	20
27	Differences in Nanoparticle Uptake in Transplanted and Autochthonous Models of Pancreatic Cancer. <i>Nano Letters</i> , 2018, 18, 2195-2208.	9.1	20
28	Pro-organic radical contrast agents (pro-ORCAs) for real-time MRI of pro-drug activation in biological systems. <i>Polymer Chemistry</i> , 2020, 11, 4768-4779.	3.9	20
29	Pushing radiation therapy limitations with theranostic nanoparticles. <i>Nanomedicine</i> , 2016, 11, 997-999.	3.3	18
30	NIR-emissive PEG-b-TCL micelles for breast tumor imaging and minimally invasive pharmacokinetic analysis. <i>Nanoscale</i> , 2017, 9, 13465-13476.	5.6	17
31	New potential for enhancing concomitant chemoradiotherapy with FDA approved concentrations of cisplatin via the photoelectric effect. <i>Physica Medica</i> , 2015, 31, 25-30.	0.7	16
32	Anti-MUC1-C Antibody-Conjugated Nanoparticles Potentiate the Efficacy of Fractionated Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 1380-1389.	0.8	14
33	Established and Novel Prognostic Biomarkers in Multiple Myeloma. <i>American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting</i> , 2017, 37, 548-560.	3.8	12
34	Liposomal encapsulation of trans-crocetin enhances oxygenation in patients with COVID-19-related ARDS receiving mechanical ventilation. <i>Journal of Controlled Release</i> , 2021, 336, 252-261.	9.9	10
35	Focused ultrasound to transiently disrupt the blood brain barrier. <i>Journal of Clinical Neuroscience</i> , 2016, 28, 187-189.	1.5	6
36	Noninvasive imaging of tumor hypoxia after nanoparticle-mediated tumor vascular disruption. <i>PLoS ONE</i> , 2020, 15, e0236245.	2.5	4

#	ARTICLE	IF	CITATIONS
37	TROIKA <sup>1</sup> : A double-blind, randomized, parallel group, study aimed to demonstrate the equivalent pharmacokinetic profile of HD201, a potential biosimilar candidate to trastuzumab, versus EU <sup>®</sup> Herceptin <sup>®</sup> and US <sup>®</sup> Herceptin <sup>®</sup> in healthy male subjects. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00839.	2.4	4
38	Anti-BCMA Immuno-NanoPET Radiotracers for Improved Detection of Multiple Myeloma. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101565.	7.6	4
39	Leveraging Immunotherapy with Nanomedicine. <i>Advanced Therapeutics</i> , 2020, 3, 2000134.	3.2	2
40	A Rationally Designed Novel Polymer for Safe and Synergistic Delivery of High Dose Bortezomib, Pomalidomide/Lenalidomide, and Dexamethasone for Multiple Myeloma. <i>Blood</i> , 2018, 132, 4681-4681.	1.4	0