

# Amanda K. A. Silva

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,639  
citations

279487

23  
h-index

223531

46  
g-index

51  
all docs

51  
docs citations

51  
times ranked

4557  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining Magnetic Hyperthermia and Photodynamic Therapy for Tumor Ablation with Photoresponsive Magnetic Liposomes. <i>ACS Nano</i> , 2015, 9, 2904-2916.	7.3	284
2	Modification of Extracellular Vesicles by Fusion with Liposomes for the Design of Personalized Biogenic Drug Delivery Systems. <i>ACS Nano</i> , 2018, 12, 6830-6842.	7.3	276
3	Heat-Generating Iron Oxide Nanocubes: Subtle "Deconstructors" of the Tumoral Microenvironment. <i>ACS Nano</i> , 2014, 8, 4268-4283.	7.3	200
4	Magnetic (Hyper)Thermia or Photothermia? Progressive Comparison of Iron Oxide and Gold Nanoparticles Heating in Water, in Cells, and In Vivo. <i>Advanced Functional Materials</i> , 2018, 28, 1803660.	7.8	187
5	Iron Oxide Nanoflowers @ CuS Hybrids for Cancer Tri-Therapy: Interplay of Photothermal Therapy, Magnetic Hyperthermia and Photodynamic Therapy. <i>Theranostics</i> , 2019, 9, 1288-1302.	4.6	170
6	Cancer Cell Internalization of Gold Nanostars Impacts Their Photothermal Efficiency In Vitro and In Vivo: Toward a Plasmonic Thermal Fingerprint in Tumoral Environment. <i>Advanced Healthcare Materials</i> , 2016, 5, 1040-1048.	3.9	124
7	Combining magnetic nanoparticles with cell derived microvesicles for drug loading and targeting. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 645-655.	1.7	118
8	Targeted thermal therapy with genetically engineered magnetite magnetosomes@RGD: Photothermia is far more efficient than magnetic hyperthermia. <i>Journal of Controlled Release</i> , 2018, 279, 271-281.	4.8	110
9	Magnetic and Photoresponsive Theranosomes: Translating Cell-Released Vesicles into Smart Nanovectors for Cancer Therapy. <i>ACS Nano</i> , 2013, 7, 4954-4966.	7.3	105
10	Massive release of extracellular vesicles from cancer cells after photodynamic treatment or chemotherapy. <i>Scientific Reports</i> , 2016, 6, 35376.	1.6	98
11	Intracellular Biodegradation of Ag Nanoparticles, Storage in Ferritin, and Protection by a Au Shell for Enhanced Photothermal Therapy. <i>ACS Nano</i> , 2018, 12, 6523-6535.	7.3	91
12	Extracellular vesicles for personalized medicine: The input of physically triggered production, loading and theranostic properties. <i>Advanced Drug Delivery Reviews</i> , 2019, 138, 247-258.	6.6	82
13	Nanoparticle-based hyperthermia, a local treatment modulating the tumor extracellular matrix. <i>Pharmacological Research</i> , 2017, 126, 123-137.	3.1	63
14	Technological advances towards extracellular vesicles mass production. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113843.	6.6	63
15	Thermoresponsive Gel Embedded with Adipose Stem-Cell-Derived Extracellular Vesicles Promotes Esophageal Fistula Healing in a Thermo-Actuated Delivery Strategy. <i>ACS Nano</i> , 2018, 12, 9800-9814.	7.3	60
16	Polysaccharide-based strategies for heart tissue engineering. <i>Carbohydrate Polymers</i> , 2015, 116, 267-277.	5.1	52
17	Polysaccharide Nanosystems for Future Progress in Cardiovascular Pathologies. <i>Theranostics</i> , 2014, 4, 579-591.	4.6	49
18	Immune Reprogramming Precision Photodynamic Therapy of Peritoneal Metastasis by Scalable Stem-Cell-Derived Extracellular Vesicles. <i>ACS Nano</i> , 2021, 15, 3251-3263.	7.3	47

#	ARTICLE	IF	CITATIONS
19	Development of extracellular vesicle-based medicinal products: A position paper of the group "Extracellular Vesicle translation to clinical perspectives" EVOLVE France. Advanced Drug Delivery Reviews, 2021, 179, 114001.	6.6	42
20	Physical oncology: New targets for nanomedicine. Biomaterials, 2018, 150, 87-99.	5.7	36
21	Engineering and loading therapeutic extracellular vesicles for clinical translation: A data reporting frame for comparability. Advanced Drug Delivery Reviews, 2021, 178, 113972.	6.6	36
22	Plasmodium falciparum sexual parasites develop in human erythroblasts and affect erythropoiesis. Blood, 2020, 136, 1381-1393.	0.6	34
23	Extracellular Vesicle Production Loaded with Nanoparticles and Drugs in a Trade-off between Loading, Yield and Purity: Towards a Personalized Drug Delivery System. Advanced Biology, 2017, 1, e1700044.	3.0	28
24	Tumor-Selective Immune-Active Mild Hyperthermia Associated with Chemotherapy in Colon Peritoneal Metastasis by Photoactivation of Fluorouracil-Gold Nanoparticle Complexes. ACS Nano, 2021, 15, 3330-3348.	7.3	28
25	Local administration of stem cell-derived extracellular vesicles in a thermoresponsive hydrogel promotes a pro-healing effect in a rat model of colo-cutaneous post-surgical fistula. Nanoscale, 2021, 13, 218-232.	2.8	25
26	Amphotericin B Microemulsion Reduces Toxicity and Maintains the Efficacy as an Antifungal Product. Journal of Biomedical Nanotechnology, 2012, 8, 290-300.	0.5	23
27	Strong and specific interaction of ultra small superparamagnetic iron oxide nanoparticles and human activated platelets mediated by fucoidan coating. RSC Advances, 2014, 4, 4864.	1.7	22
28	Designing 3D Mesenchymal Stem Cell Sheets Merging Magnetic and Fluorescent Features: When Cell Sheet Technology Meets Image-Guided Cell Therapy. Theranostics, 2016, 6, 739-751.	4.6	22
29	Effect of stroma on the behavior of temoporfin-loaded lipid nanovesicles inside the stroma-rich head and neck carcinoma spheroids. Journal of Nanobiotechnology, 2021, 19, 3.	4.2	18
30	mTHPC-Loaded Extracellular Vesicles Significantly Improve mTHPC Diffusion and Photodynamic Activity in Preclinical Models. Pharmaceutics, 2020, 12, 676.	2.0	17
31	Design of Magnetic Polymeric Particles as a Stimulus-Responsive System for Gastric Antimicrobial Therapy. AAPS PharmSciTech, 2017, 18, 2026-2036.	1.5	15
32	Xyloglucan-Derivatized Films for the Culture of Adherent Cells and Their Thermocontrolled Detachment: A Promising Alternative to Cells Sensitive to Protease Treatment. Biomacromolecules, 2013, 14, 512-519.	2.6	14
33	Thinking Quantitatively of RNA-Based Information Transfer via Extracellular Vesicles: Lessons to Learn for the Design of RNA-Loaded EVs. Pharmaceutics, 2021, 13, 1931.	2.0	12
34	Extracellular vesicles from adipose stromal cells combined with a thermoresponsive hydrogel prevent esophageal stricture after extensive endoscopic submucosal dissection in a porcine model. Nanoscale, 2021, 13, 14866-14878.	2.8	10
35	Extracellular Vesicles in Transplantation. Frontiers in Immunology, 2022, 13, 800018.	2.2	9
36	Magnetic drug carriers: bright insights from light-responsive magnetic liposomes. Nanomedicine, 2015, 10, 2797-2799.	1.7	8

#	ARTICLE	IF	CITATIONS
37	Imaging and Therapeutic Potential of Extracellular Vesicles. , 2017, , 43-68.		8
38	Exosomes: A Novel Therapeutic Paradigm for the Treatment of Depression. Current Drug Targets, 2021, 22, 183-191.	1.0	8
39	Impact of Photosensitizers Activation on Intracellular Trafficking and Viscosity. PLoS ONE, 2013, 8, e84850.	1.1	7
40	Hybrid nanoand microgels doped with photoacoustic contrast agents for cancer theranostics. View, 2021, 2, 20200176.	2.7	7
41	Development of Superparamagnetic Microparticles for Biotechnological Purposes. Drug Development and Industrial Pharmacy, 2008, 34, 1111-1116.	0.9	5
42	Drug Targeting and other Recent Applications of Magnetic Carriers in Therapeutics. Key Engineering Materials, 0, 441, 357-378.	0.4	5
43	Regenerative medicine for digestive fistulae therapy: Benefits, challenges and promises of stem/stromal cells and emergent perspectives via their extracellular vesicles. Advanced Drug Delivery Reviews, 2021, 179, 113841.	6.6	5
44	Potential of onchip analysis and engineering techniques for extracellular vesicle bioproduction for therapeutics. View, 2022, 3, .	2.7	5
45	Enhancing digestive fistula healing by the off-label use of a thermoresponsive vessel occluder polymer associated with esophageal stent placement: A case report. Clinics and Research in Hepatology and Gastroenterology, 2021, 45, 101474.	0.7	3
46	3D Magnetic Alignment of Cardiac Cells in Hydrogels. ACS Applied Bio Materials, 2020, 3, 6802-6810.	2.3	2
47	Technological and translational challenges for extracellular vesicle in therapy and diagnosis. Advanced Drug Delivery Reviews, 2021, 179, 114026.	6.6	2
48	Generation of Hybrid Extracellular Vesicles by Fusion with Functionalized Liposomes. Methods in Molecular Biology, 2022, , 385-396.	0.4	2
49	Physically-triggered nanosystems for therapy and diagnosis. Advanced Drug Delivery Reviews, 2019, 138, 1-2.	6.6	1
50	Anastomotic leak after colorectal surgery: Management by combined use of an over-the-scope-clip and a thermoresponsive gel. Clinics and Research in Hepatology and Gastroenterology, 2022, 46, 101990.	0.7	0