

Erica Locatelli

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,578
citations

257357

24
h-index

315616

38
g-index

53
all docs

53
docs citations

53
times ranked

3236
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradable PLGA-b-PEG polymeric nanoparticles: synthesis, properties, and nanomedical applications as drug delivery system. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	162
2	Targeted delivery of silver nanoparticles and alisertib: <i>in vitro</i> and <i>in vivo</i> synergistic effect against glioblastoma. <i>Nanomedicine</i> , 2014, 9, 839-849.	1.7	138
3	Aptamer Functionalization of Nanosystems for Glioblastoma Targeting through the Blood-Brain Barrier. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4510-4516.	2.9	100
4	A Combined Approach Employing Chlorotoxin-Nanovectors and Low Dose Radiation To Reach Infiltrating Tumor Niches in Glioblastoma. <i>ACS Nano</i> , 2016, 10, 2509-2520.	7.3	69
5	Surface modifications of gold nanorods for applications in nanomedicine. <i>RSC Advances</i> , 2015, 5, 21681-21699.	1.7	64
6	Surface-Modified Nanocellulose for Application in Biomedical Engineering and Nanomedicine: A Review. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 9909-9937.	3.3	64
7	Synthesis of Lipophilic Core-Shell Fe ₃ O ₄ @SiO ₂ @Au Nanoparticles and Polymeric Entrapment into Nanomicelles: A Novel Nanosystem for <i>in Vivo</i> Active Targeting and Magnetic Resonance-Photoacoustic Dual Imaging. <i>Bioconjugate Chemistry</i> , 2017, 28, 1382-1390.	1.8	61
8	Soft Piezoionic/Piezoelectric Nanocomposites Based on Ionogel/BaTiO ₃ Nanoparticles for Low Frequency and Directional Discriminative Pressure Sensing. <i>ACS Macro Letters</i> , 2019, 8, 414-420.	2.3	53
9	Biocompatible nanocomposite for PET/MRI hybrid imaging. <i>International Journal of Nanomedicine</i> , 2012, 7, 6021.	3.3	52
10	Optimizing cisplatin delivery to triple-negative breast cancer through novel EGFR aptamer-conjugated polymeric nanovectors. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 239.	3.5	47
11	Intradermal air pouch leukocytosis as an <i>in vivo</i> test for nanoparticles. <i>International Journal of Nanomedicine</i> , 2013, 8, 4745.	3.3	42
12	Matrix metalloproteinase-9 (MMP-9) as an activator of nanosystems for targeted drug delivery in pancreatic cancer. <i>Journal of Controlled Release</i> , 2016, 239, 39-48.	4.8	42
13	Comparison of the magnetic, radiolabeling, hyperthermic and biodistribution properties of hybrid nanoparticles bearing CoFe ₂ O ₄ and Fe ₃ O ₄ metal cores. <i>Nanotechnology</i> , 2014, 25, 025101.	1.3	40
14	Current concepts in nanostructured contrast media development for <i>in vivo</i> photoacoustic imaging. <i>Biomaterials Science</i> , 2019, 7, 1746-1775.	2.6	40
15	A novel theranostic gold nanorods- and Adriamycin-loaded micelle for EpCAM targeting, laser ablation, and photoacoustic imaging of cancer stem cells in hepatocellular carcinoma. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 1877-1892.	3.3	36
16	Lipophilic Silver Nanoparticles and Their Polymeric Entrapment into Targeted PEG-Based Micelles for the Treatment of Glioblastoma. <i>Advanced Healthcare Materials</i> , 2012, 1, 342-347.	3.9	35
17	MRE11 inhibition highlights a replication stress-dependent vulnerability of MYCN-driven tumors. <i>Cell Death and Disease</i> , 2018, 9, 895.	2.7	35
18	Zein as a versatile biopolymer: different shapes for different biomedical applications. <i>RSC Advances</i> , 2021, 11, 39004-39026.	1.7	32

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19	Design, synthesis and biological evaluation of pyrazole derivatives as potential multi-kinase inhibitors in hepatocellular carcinoma. <i>European Journal of Medicinal Chemistry</i> , 2012, 48, 391-401.	2.6	29
20	Phosphorescent bio-based resin for digital light processing (DLP) 3D-printing. <i>Green Chemistry</i> , 2020, 22, 6212-6224.	4.6	29
21	Gold nanorods and curcumin-loaded nanomicelles for efficient <i>in vivo</i> photothermal therapy of Barrett's esophagus. <i>Nanomedicine</i> , 2015, 10, 1723-1733.	1.7	28
22	One-step esterification of nanocellulose in a Brønsted acid ionic liquid for delivery to glioblastoma cancer cells. <i>New Journal of Chemistry</i> , 2018, 42, 5237-5242.	1.4	28
23	The one-step synthesis and surface functionalization of dumbbell-like gold-iron oxide nanoparticles: a chitosan-based nanotheranostic system. <i>Chemical Communications</i> , 2016, 52, 378-381.	2.2	27
24	Click Chemistry for the Assembly of Gold Nanorods and Silver Nanoparticles. <i>Chemistry - A European Journal</i> , 2011, 17, 9052-9056.	1.7	25
25	Hybrid nanocomposites based on electroactive hydrogels and cellulose nanocrystals for high-sensitivity electro-mechanical underwater actuation. <i>Smart Materials and Structures</i> , 2017, 26, 085030.	1.8	23
26	Polymeric entrapped thiol-coated gold nanorods: cytotoxicity and suitability as molecular optoacoustic contrast agent. <i>Journal of Materials Chemistry</i> , 2010, 20, 10908.	6.7	20
27	Controlled release of curcumin from curcumin-loaded nanomicelles to prevent peritendinous adhesion during Achilles tendon healing in rats. <i>International Journal of Nanomedicine</i> , 2016, 11, 2873.	3.3	20
28	Straightforward synthesis of a novel ring-fused pyrazole-lactam and <i>in vitro</i> cytotoxic activity on cancer cell lines. <i>European Journal of Medicinal Chemistry</i> , 2016, 117, 1-7.	2.6	19
29	Physico-chemical and toxicological characterization of iron-containing albumin nanoparticles as platforms for medical imaging. <i>Journal of Controlled Release</i> , 2014, 194, 130-137.	4.8	18
30	Synthesis and functionalization of protease-activated nanoparticles with tissue plasminogen activator peptides as targeting moiety and diagnostic tool for pancreatic cancer. <i>Journal of Nanobiotechnology</i> , 2016, 14, 81.	4.2	17
31	<i>In vivo</i> anticancer evaluation of the hyperthermic efficacy of anti-human epidermal growth factor receptor-targeted PEG-based nanocarrier containing magnetic nanoparticles. <i>International Journal of Nanomedicine</i> , 2014, 9, 3037.	3.3	15
32	One-pot synthesis of magnesium nanoparticles embedded in a chitosan microparticle matrix: a highly biocompatible tool for <i>in vivo</i> cancer treatment. <i>Journal of Materials Chemistry B</i> , 2016, 4, 207-211.	2.9	15
33	Quinone-Fused Pyrazoles through 1,3-Dipolar Cycloadditions: Synthesis of Tricyclic Scaffolds and <i>in vitro</i> Cytotoxic Activity Evaluation on Glioblastoma Cancer Cells. <i>ChemMedChem</i> , 2018, 13, 1744-1750.	1.6	14
34	Synthesis of Ultrasmall Single-Crystal Gold-Silver Alloy Nanotriangles and Their Application in Photothermal Therapy. <i>Nanomaterials</i> , 2021, 11, 912.	1.9	14
35	Zirconia-doped nanoparticles: organic coating, polymeric entrapment and application as dual-imaging agents. <i>Journal of Materials Chemistry B</i> , 2013, 1, 919.	2.9	12
36	Surface chemistry and entrapment of magnesium nanoparticles into polymeric micelles: a highly biocompatible tool for photothermal therapy. <i>Chemical Communications</i> , 2014, 50, 7783-7786.	2.2	12

#	ARTICLE	IF	CITATIONS
37	Targeted polymeric nanoparticles containing gold nanorods: a therapeutic approach against glioblastoma. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	11
38	Surface modification of nanocellulose through carbamate link for a selective release of chemotherapeutics. <i>Cellulose</i> , 2020, 27, 8503-8511.	2.4	11
39	Surface-Stabilization of Ultrathin Gold Nanowires for Capacitive Sensors in Flexible Electronics. <i>ACS Applied Nano Materials</i> , 2021, 4, 8668-8673.	2.4	11
40	Biocompatible pectin-based hybrid hydrogels for tissue engineering applications. <i>New Journal of Chemistry</i> , 2021, 45, 22386-22395.	1.4	11
41	Hybrid luminescent porous silicon for efficient drug loading and release. <i>RSC Advances</i> , 2017, 7, 6724-6734.	1.7	10
42	Smart assembly of Mn-ferrites/silica core-shell with fluorescein and gold nanorods: robust and stable nanomicelles for <i>in vivo</i> triple modality imaging. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2993-2999.	2.9	9
43	Hard and soft nanoparticles for image-guided surgery in nanomedicine. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	8
44	Click chemistry on the surface of PLGA-b-PEG polymeric nanoparticles: a novel targetable fluorescent imaging nanocarrier. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	6
45	Hybrid cholesterol-based nanocarriers containing phosphorescent Ir complexes: <i>in vitro</i> imaging on glioblastoma cell line. <i>RSC Advances</i> , 2015, 5, 1091-1096.	1.7	6
46	EGFR-Targeted Magnetic Nanovectors Recognize, <i>in Vivo</i> , Head and Neck Squamous Cells Carcinoma-Derived Tumors. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 1230-1235.	1.3	4
47	Experimental and Computational Investigation of the 1,3-Dipolar Cycloaddition of the Ynamide <i>tert</i> -Butyl N-Ethynyl-N-phenylcarbamate with <i>C</i> -Carboxymethyl-N-phenylnitrilimine. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 8108-8114.	1.2	3
48	Maghemite-containing PLGA-PEG-based polymeric nanoparticles for siRNA delivery: toxicity and silencing evaluation. <i>RSC Advances</i> , 2017, 7, 26912-26920.	1.7	3
49	QUANTITATIVE SPECTRAL ELECTROMECHANICAL CHARACTERIZATION OF SOFT PIEZOELECTRIC NANOCOMPOSITES. <i>Sensors and Actuators A: Physical</i> , 2021, 332, 113196.	2.0	3
50	Phosphorescent iridium-containing nanomicelles: synthesis, characterization and preliminary applications in nanomedical imaging. <i>RSC Advances</i> , 2018, 8, 34162-34167.	1.7	2
51	Photoluminescent decoration of iron oxide magnetic nanoparticles for dual-imaging applications. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	1