Erica Locatelli

List of Publications by Year
in descending order

51 papers	1,578 citations	257450 24 h-index	315739 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. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	162
2	Targeted delivery of silver nanoparticles and alisertib: in vitro and in vivo synergistic effect against glioblastoma. Nanomedicine, 2014, 9, 839-849.	3.3	138
3	Aptamer Functionalization of Nanosystems for Glioblastoma Targeting through the Bloodâ€“Brain Barrier. Journal of Medicinal Chemistry, 2017, 60, 4510-4516.	6.4	100
4	A Combined Approach Employing Chlorotoxin-Nanovectors and Low Dose Radiation To Reach Infiltrating Tumor Niches in Glioblastoma. ACS Nano, 2016, 10, 2509-2520.	14.6	69
5	Surface modifications of gold nanorods for applications in nanomedicine. RSC Advances, 2015, 5, 21681-21699.	3.6	64
6	Surface-Modified Nanocellulose for Application in Biomedical Engineering and Nanomedicine: A Review . International Journal of Nanomedicine, 2020, Volume 15, 9909-9937.	6.7	64
7	Synthesis of Lipophilic Coreâ€“Shell Fe₃O₄@SiO₂@Au Nanoparticles and Polymeric Entrapment into Nanomicelles: A Novel Nanosystem for in Vivo Active Targeting and Magnetic Resonanceâ€“Photoacoustic Dual Imaging. Bioconjugate Chemistry, 2017, 28, 1382-1390.	3.6	61
8	Soft Piezoionic/Piezoelectric Nanocomposites Based on Ionogel/BaTiO₃ Nanoparticles for Low Frequency and Directional Discriminative Pressure Sensing. ACS Macro Letters, 2019, 8, 414-420.	4.8	53
9	Biocompatible nanocomposite for PET/MRI hybrid imaging. International Journal of Nanomedicine, 2012, 7, 6021.	6.7	52
10	Optimizing cisplatin delivery to triple-negative breast cancer through novel EGFR aptamer-conjugated polymeric nanovectors. Journal of Experimental and Clinical Cancer Research, 2021, 40, 239.	8.6	47
11	Intradermal air pouch leukocytosis as an in vivo test for nanoparticles. International Journal of Nanomedicine, 2013, 8, 4745.	6.7	42
12	Matrix metalloproteinase-9 (MMP-9) as an activator of nanosystems for targeted drug delivery in pancreatic cancer. Journal of Controlled Release, 2016, 239, 39-48.	9.9	42
13	Comparison of the magnetic, radiolabeling, hyperthermic and biodistribution properties of hybrid nanoparticles bearing CoFe₂O₄and Fe₃O₄metal cores. Nanotechnology, 2014, 25, 025101.	2.6	40
14	Current concepts in nanostructured contrast media development for in vivo photoacoustic imaging. Biomaterials Science, 2019, 7, 1746-1775.	5.4	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 . International Journal of Nanomedicine, 2019, Volume 14, 1877-1892.	6.7	36
16	Lipophilic Silver Nanoparticles and Their Polymeric Entrapment into Targetedâ€PEGâ€Based Micelles for the Treatment of Glioblastoma. Advanced Healthcare Materials, 2012, 1, 342-347.	7.6	35
17	MRE11 inhibition highlights a replication stress-dependent vulnerability of MYCN-driven tumors. Cell Death and Disease, 2018, 9, 895.	6.3	35
18	Zein as a versatile biopolymer: different shapes for different biomedical applications. RSC Advances, 2021, 11, 39004-39026.	3.6	32

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19	Design, synthesis and biological evaluation of pyrazole derivatives as potential multi-kinase inhibitors in hepatocellular carcinoma. European Journal of Medicinal Chemistry, 2012, 48, 391-401.	5.5	29
20	Phosphorescent bio-based resin for digital light processing (DLP) 3D-printing. Green Chemistry, 2020, 22, 6212-6224.	9.0	29
21	Gold nanorods and curcumin-loaded nanomicelles for efficient in vivo photothermal therapy of Barrett's esophagus. Nanomedicine, 2015, 10, 1723-1733.	3.3	28
22	One-step esterification of nanocellulose in a BrÃ¸nsted acid ionic liquid for delivery to glioblastoma cancer cells. New Journal of Chemistry, 2018, 42, 5237-5242.	2.8	28
23	The one-step synthesis and surface functionalization of dumbbell-like goldâ€“iron oxide nanoparticles: a chitosan-based nanotheranostic system. Chemical Communications, 2016, 52, 378-381.	4.1	27
24	Click Chemistry for the Assembly of Gold Nanorods and Silver Nanoparticles. Chemistry - A European Journal, 2011, 17, 9052-9056.	3.3	25
25	Hybrid nanocomposites based on electroactive hydrogels and cellulose nanocrystals for high-sensitivity electroâ€“mechanical underwater actuation. Smart Materials and Structures, 2017, 26, 085030.	3.5	23
26	Polymeric entrapped thiol-coated gold nanorods: cytotoxicity and suitability as molecular optoacoustic contrast agent. Journal of Materials Chemistry, 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. International Journal of Nanomedicine, 2016, 11, 2873.	6.7	20
28	Straightforward synthesis of a novel ring-fused pyrazole-lactam and inÂvitro cytotoxic activity on cancer cell lines. European Journal of Medicinal Chemistry, 2016, 117, 1-7.	5.5	19
29	Physico-chemical and toxicological characterization of iron-containing albumin nanoparticles as platforms for medical imaging. Journal of Controlled Release, 2014, 194, 130-137.	9.9	18
30	Synthesis and functionalization of protease-activated nanoparticles with tissue plasminogen activator peptides as targeting moiety and diagnostic tool for pancreatic cancer. Journal of Nanobiotechnology, 2016, 14, 81.	9.1	17
31	In vivo anticancer evaluation of the hyperthermic efficacy of anti-human epidermal growth factor receptor-targeted PEG-based nanocarrier containing magnetic nanoparticles. International Journal of Nanomedicine, 2014, 9, 3037.	6.7	15
32	One-pot synthesis of magnesium nanoparticles embedded in a chitosan microparticle matrix: a highly biocompatible tool for in vivo cancer treatment. Journal of Materials Chemistry B, 2016, 4, 207-211.	5.8	15
33	Quinoneâ€Fused Pyrazoles through 1,3â€Dipolar Cycloadditions: Synthesis of Tricyclic Scaffolds and in vitro Cytotoxic Activity Evaluation on Glioblastoma Cancer Cells. ChemMedChem, 2018, 13, 1744-1750.	3.2	14
34	Synthesis of Ultrasmall Single-Crystal Goldâ€“Silver Alloy Nanotriangles and Their Application in Photothermal Therapy. Nanomaterials, 2021, 11, 912.	4.1	14
35	Zirconia-doped nanoparticles: organic coating, polymeric entrapment and application as dual-imaging agents. Journal of Materials Chemistry B, 2013, 1, 919.	5.8	12
36	Surface chemistry and entrapment of magnesium nanoparticles into polymeric micelles: a highly biocompatible tool for photothermal therapy. Chemical Communications, 2014, 50, 7783-7786.	4.1	12

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37	Targeted polymeric nanoparticles containing gold nanorods: a therapeutic approach against glioblastoma. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	11
38	Surface modification of nanocellulose through carbamate link for a selective release of chemotherapeutics. Cellulose, 2020, 27, 8503-8511.	4.9	11
39	Surface-Stabilization of Ultrathin Gold Nanowires for Capacitive Sensors in Flexible Electronics. ACS Applied Nano Materials, 2021, 4, 8668-8673.	5.0	11
40	Biocompatible pectin-based hybrid hydrogels for tissue engineering applications. New Journal of Chemistry, 2021, 45, 22386-22395.	2.8	11
41	Hybrid luminescent porous silicon for efficient drug loading and release. RSC Advances, 2017, 7, 6724-6734.	3.6	10
42	Smart assembly of Mn-ferrites/silica coreâ€“shell with fluorescein and gold nanorods: robust and stable nanomicelles for in vivo triple modality imaging. Journal of Materials Chemistry B, 2018, 6, 2993-2999.	5.8	9
43	Hard and soft nanoparticles for image-guided surgery in nanomedicine. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	8
44	Click chemistry on the surface of PLGA-b-PEG polymeric nanoparticles: a novel targetable fluorescent imaging nanocarrier. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	6
45	Hybrid cholesterol-based nanocarriers containing phosphorescent Ir complexes: in vitro imaging on glioblastoma cell line. RSC Advances, 2015, 5, 1091-1096.	3.6	6
46	EGFR-Targeted Magnetic Nanovectors Recognize, in Vivo, Head and Neck Squamous Cells Carcinoma-Derived Tumors. ACS Medicinal Chemistry Letters, 2017, 8, 1230-1235.	2.8	4
47	Experimental and Computational Investigation of the 1,3â€Dipolar Cycloaddition of the Ynamide tertâ€Butyl Nâ€Ethynylâ€Nâ€phenylcarbamate with Câ€Carboxymethylâ€Nâ€phenylnitrilimine. European Journal of Organic Chemistry, 2013, 2013, 8108-8114.	2.4	3
48	Maghemite-containing PLGAâ€“PEG-based polymeric nanoparticles for siRNA delivery: toxicity and silencing evaluation. RSC Advances, 2017, 7, 26912-26920.	3.6	3
49	QUANTITATIVE SPECTRAL ELECTROMECHANICAL CHARACTERIZATION OF SOFT PIEZOELECTRIC NANOCOMPOSITES. Sensors and Actuators A: Physical, 2021, 332, 113196.	4.1	3
50	Phosphorescent iridium-containing nanomicelles: synthesis, characterization and preliminary applications in nanomedical imaging. RSC Advances, 2018, 8, 34162-34167.	3.6	2
51	Photoluminescent decoration of iron oxide magnetic nanoparticles for dual-imaging applications. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	1