Monica Terracciano

List of Publications by Year
in descending order

54	1,107	394421 19	434195 31
papers	citations	h-index	g-index

57	57	57	1245
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	O6-[(2â€³,3â€³-O-Isopropylidene-5â€³-O-tbutyldimethylsilyl)pentyl]-5â€²-O-tbutyldiphenylsilyl-2â€²,3â€²-O-isopropylideneinosine. MolBank, 2022, 2022, M1345.	0.5	2
2	Diatomite-based nanoparticles: Fabrication strategies for medical applications. , 2022, , 427-446.		1
3	Exploring the Parallel G-Quadruplex Nucleic Acid World: A Spectroscopic and Computational Investigation on the Binding of the c-myc Oncogene NHE III1 Region by the Phytochemical Polydatin. Molecules, 2022, 27, 2997.	3.8	9
4	Hybrid Organic/Inorganic Nanomaterials for Biochemical Sensing. Lecture Notes in Electrical Engineering, 2021, , 93-99.	0.4	4
5	Bioconjugation of Peptides to Hybrid Gold Nanoparticles. Methods in Molecular Biology, 2021, 2355, 105-115.	0.9	1
6	Bioconjugation of a PNA Probe to Zinc Oxide Nanowires for Label-Free Sensing. Nanomaterials, 2021, 11, 523.	4.1	9
7	Porous Silicon Optical Devices: Recent Advances in Biosensing Applications. Sensors, 2021, 21, 1336.	3.8	55
8	SERS Quantification of Galunisertib Delivery in Colorectal Cancer Cells by Plasmonicâ€Assisted Diatomite Nanoparticles. Small, 2021, 17, e2101711.	10.0	32
9	SERS Quantification of Galunisertib Delivery in Colorectal Cancer Cells by Plasmonicâ€Assisted Diatomite Nanoparticles (Small 34/2021). Small, 2021, 17, 2170178.	10.0	0
10	Probing the Ca2+ mobilizing properties on primary cortical neurons of a new stable cADPR mimic. Bioorganic Chemistry, 2021, 117, 105401.	4.1	3
11	Nanostructured Biosilica of Diatoms: From Water World to Biomedical Applications. Applied Sciences (Switzerland), 2020, 10, 6811.	2.5	39
12	PNA-Based Graphene Oxide/Porous Silicon Hybrid Biosensor: Towards a Label-Free Optical Assay for Brugada Syndrome. Nanomaterials, 2020, 10, 2233.	4.1	10
13	Antiproliferative Activity of Mycalin A and Its Analogues on Human Skin Melanoma and Human Cervical Cancer Cells. Marine Drugs, 2020, 18, 402.	4.6	5
14	Probing the DNA Reactivity and the Anticancer Properties of a Novel Tubercidin-Pt(II) Complex. Pharmaceutics, 2020, 12, 627.	4.5	6
15	Timeâ€gated luminescence imaging of positively charged polyâ€lâ€lysineâ€coated highly microporous silicon nanoparticles in living Hydra polyp. Journal of Biophotonics, 2020, 13, e202000272.	2.3	10
16	Ï€â€“Ï€ stacked DNA G-wire nanostructures formed by a short G-rich oligonucleotide containing a 3â€²â€“3â€² inversion of polarity site. Organic Chemistry Frontiers, 2020, 7, 2187-2195.	4.5	8
17	Design and Synthesis of a cADPR Mimic as a Novel Tool for Monitoring the Intracellular Ca2+ Concentration. Proceedings (mdpi), 2020, 79, .	0.2	0
18	Microneedles Drug Delivery: Polymeric Microneedle Arrays: Versatile Tools for an Innovative Approach to Drug Administration (Adv. Therap. 8/2019). Advanced Therapeutics, 2019, 2, 1970018.	3.2	2

#	Article	IF	Citations
19	Synthesis and Surface Modification of Nanostructured F-Doped ZnO: Toward a Transducer for Label-Free Optical Biosensing. Applied Sciences (Switzerland), 2019, 9, 3380.	2.5	5
20	Porous Silicon-Based Aptasensors: The Next Generation of Label-Free Devices for Health Monitoring. Molecules, 2019, 24, 2216.	3.8	25
21	Polymeric Microneedle Arrays: Versatile Tools for an Innovative Approach to Drug Administration. Advanced Therapeutics, 2019, 2, 1900036.	3.2	22
22	In Vivo Toxicity: In Vivo Toxicity Assessment of Hybrid Diatomite Nanovectors Using Hydra vulgaris as a Model System (Adv. Biosys. 4/2019). Advanced Biology, 2019, 3, 1970042.	3.0	0
23	In Vivo Toxicity Assessment of Hybrid Diatomite Nanovectors Using Hydra vulgaris as a Model System. Advanced Biology, 2019, 3, e1800247.	3.0	15
24	Photoemissive properties and stability of undecylenic acid-modified porous silicon nanoparticles in physiological medium. Applied Physics Letters, 2019, 114, .	3.3	6
25	5â€²-Chloro-5â€²-deoxy-2â€²,3â€²-O-isopropylidene-6-fluoro nebularine. MolBank, 2019, 2019, M1097.	0.5	1
26	Gold decorated porous biosilica nanodevices for advanced medicine. Nanotechnology, 2018, 29, 235601.	2.6	29
27	Quantification and Reduction of the Residual Chemical Reactivity of Passivated Biodegradable Porous Silicon for Drug Delivery Applications. Silicon, 2018, 10, 349-359.	3.3	17
28	Internalization kinetics and cytoplasmic localization of functionalized diatomite nanoparticles in cancer cells by Raman imaging. Journal of Biophotonics, 2018, 11, e201700207.	2.3	41
29	Toward Multi-Parametric Porous Silicon Transducers Based on Covalent Grafting of Graphene Oxide for Biosensing Applications. Frontiers in Chemistry, 2018, 6, 583.	3.6	8
30	Diatoms Green Nanotechnology for Biosilica-Based Drug Delivery Systems. Pharmaceutics, 2018, 10, 242.	4.5	66
31	Covalent grafting of graphene oxide on functionalized macroporous silicon. Open Material Sciences, 2018, 4, 15-22.	0.8	5
32	Small Synthetic Peptides Bioconjugated to Hybrid Gold Nanoparticles Destroy Potentially Deadly Bacteria at Submicromolar Concentrations. Bioconjugate Chemistry, 2018, 29, 3877-3885.	3.6	31
33	Diatomite nanovectors uptake in cancer cells: a Raman imaging study. , 2018, , .		0
34	Chemical modification of TiO2 nanotube arrays for label-free optical biosensing applications. Applied Surface Science, 2017, 419, 235-240.	6.1	38
35	Synthetic vs Natural: Diatoms Bioderived Porous Materials for the Next Generation of Healthcare Nanodevices. Advanced Healthcare Materials, 2017, 6, 1601125.	7.6	47
36	Nanogravimetric and Optical Characterizations of Thrombin Interaction with a Self-Assembled Thiolated Aptamer. Journal of Sensors, 2016, 2016, 1-8.	1.1	8

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37	Photoluminescence enhancement of graphene oxide emission by infiltration in an aperiodic porous silicon multilayer. Optics Express, 2016, 24, 24413.	3.4	16
38	Nanoparticle-based strategy for personalized B-cell lymphoma therapy. International Journal of Nanomedicine, 2016, Volume 11, 6089-6101.	6.7	35
39	Solid phase synthesis of a thrombin binding aptamer on macroporous silica for label free optical quantification of thrombin. RSC Advances, 2016, 6, 86762-86769.	3.6	39
40	Bioengineered Silicon Diatoms: Adding Photonic Features to a Nanostructured Semiconductive Material for Biomolecular Sensing. Nanoscale Research Letters, 2016, 11, 405.	5.7	32
41	Natural and synthetic nanostructured materials for biomedical applications. , 2015, , .		1
42	Diatomite nanoparticles as potential drug delivery systems. , 2015, , .		1
43	A silicon-based peptide biosensor for label-free detection of cancer cells. , 2015, , .		2
44	A new strategy for label-free detection of lymphoma cancer cells. Biomedical Optics Express, 2015, 6, 1353.	2.9	13
45	Surface bioengineering of diatomite based nanovectors for efficient intracellular uptake and drug delivery. Nanoscale, 2015, 7, 20063-20074.	5.6	81
46	Photoluminescence of Graphene Oxide Infiltrated into Mesoporous Silicon. Journal of Physical Chemistry C, 2014, 118, 27301-27307.	3.1	24
47	Aminosilane-modified mesoporous oxidized silicon for in situ oligonucleotides synthesis and detection. , 2014, , .		0
48	Synthesis of mixed-sequence oligonucleotides on mesoporous silicon: chemical strategies and material stability. Nanoscale Research Letters, 2014, 9, 317.	5.7	9
49	Diatomite silica nanoparticles for drug delivery. Nanoscale Research Letters, 2014, 9, 329.	5.7	80
50	Diatomite biosilica nanocarriers for siRNA transport inside cancer cells. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 3393-3403.	2.4	88
51	Aminosilane functionalizations of mesoporous oxidized silicon for oligonucleotide synthesis and detection. Journal of the Royal Society Interface, 2013, 10, 20130160.	3.4	60
52	Optical characterization of aminosilane-modified silicon dioxide surface for biosensing. Journal of the European Optical Society-Rapid Publications, 0, 8, .	1.9	54
53	Bioengineered Surfaces for Real-Time Label-Free Detection of Cancer Cells. , 0, , .		0
54	CHAPTER 9. Diatoms: A Natural Source of Nanostructured Silica for Drug Delivery. RSC Nanoscience and Nanotechnology, 0, , 201-218.	0.2	2