Palestino Gabriela

List of Publications by Year
in descending order

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		471509	526287
47	810	17	27
papers	citations	h-index	g-index

49	49	49	1199
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photocatalytic degradation of methyl parathion: Reaction pathways and intermediate reaction products. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 186, 71-84.	3.9	95
2	Functionalization of nanostructured porous silicon microcavities for glucose oxidase detection. Sensors and Actuators B: Chemical, 2008, 135, 27-34.	7.8	63
3	Biosensing and Protein Fluorescence Enhancement by Functionalized Porous Silicon Devices. Langmuir, 2008, 24, 13765-13771.	3.5	61
4	Thermal and kinetic evaluation of biodegradable thermo-sensitive gelatin/poly(ethylene glycol) diamine crosslinked citric acid hydrogels for controlled release of tramadol. European Polymer Journal, 2017, 89, 42-56.	5.4	32
5	Prolonged release of metformin by SiO2 nanoparticles pellets for type II diabetes control. European Journal of Pharmaceutical Sciences, 2019, 131, 1-8.	4.0	32
6	Tunable Protein-Resistance of Polycation-Terminated Polyelectrolyte Multilayers. Biomacromolecules, 2009, 10, 2275-2283.	5.4	31
7	Gold nanoparticles (AuNP) exert immunostimulatory and protective effects in shrimp (Litopenaeus) Tj ETQq1 1 0.784314 rgBT /Overlo	3.6	31
8	Porous Silicon/Photosynthetic Reaction Center Hybrid Nanostructure. Langmuir, 2012, 28, 11866-11873.	3.5	30
9	Effect of Ag, pH, and time on the preparation of Ag-functionalized zinc oxide nanoagglomerates as photocatalysts. Journal of Catalysis, 2014, 318, 170-178.	6.2	30
10	An overview on the role of silica-based materials in vaccine development. Expert Review of Vaccines, 2016, 15, 1449-1462.	4.4	28
11	Gelatin-based porous silicon hydrogel composites for the controlled release of tramadol. European Polymer Journal, 2018, 108, 485-497.	5.4	24
12	Tunable resonance transmission modes in hybrid heterostructures based on porous silicon. Nanoscale Research Letters, 2012, 7, 392.	5.7	23
13	Toxicity evaluation of high-fluorescent rare-earth metal nanoparticles for bioimaging applications. , 2017, 105, 605-615.		23
14	Effect of 45nm silver nanoparticles (AgNPs) upon the smooth muscle of rat trachea: Role of nitric oxide. Toxicology Letters, 2011, 207, 306-313.	0.8	22
15	Synthesis, characterization, and photoluminescence properties of Gd:Tb oxysulfide colloidal particles. Chemical Engineering Journal, 2014, 258, 136-145.	12.7	22
16	An overview of nanogel-based vaccines. Expert Review of Vaccines, 2019, 18, 951-968.	4.4	21
17	Fluorescence tuning of confined molecules in porous silicon mirrors. Applied Physics Letters, 2007, 91, 121909.	3.3	18
18	Biosynthesis of Î²-d-glucanâ€'gold nanoparticles, cytotoxicity and oxidative stress in mouse splenocytes. International Journal of Biological Macromolecules, 2019, 134, 379-389.	7.5	18

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19	A turn-on fluorescent solid-sensor for Hg(II) detection. Nanoscale Research Letters, 2014, 9, 431.	5.7	16
20	Detection and light enhancement of glucose oxidase adsorbed on porous silicon microcavities. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 1624-1628.	0.8	15
21	Optical and biological evaluation of upconverting Gd2O3:Tb3+/Er3+ particles as microcarriers of a Zika virus antigenic peptide. Chemical Engineering Journal, 2020, 385, 123414.	12.7	15
22	Light-harvesting bio-nanomaterial using porous silicon and photosynthetic reaction center. Nanoscale Research Letters, 2012, 7, 400.	5.7	14
23	Immobilization strategies and electrochemical evaluation of porous silicon based cytochrome c electrode. Electrochimica Acta, 2014, 140, 550-556.	5.2	14
24	Effect of Tb3+ concentration in the visible emission of terbium-doped gadolinium oxysulfide microspheres. Solid State Sciences, 2018, 84, 8-14.	3.2	14
25	An Overview of Gadolinium-Based Oxide and Oxysulfide Particles: Synthesis, Properties, and Biomedical Applications. Crystals, 2021, 11, 1094.	2.2	14
26	Tuning the pHâ€responsiveness capability of poly(acrylic acidâ€coâ€itaconic acid)/NaOH hydrogel: Design, swelling, and rust removal evaluation. Journal of Applied Polymer Science, 2020, 137, 48403.	2.6	12
27	Three-dimensional spatial resolution of the nonlinear photoemission from biofunctionalized porous silicon microcavity. Applied Physics Letters, 2009, 94, 223313.	3.3	11
28	Role of porous silicon/hydrogel composites on drug delivery. Open Material Sciences, 2016, 3, .	0.8	11
29	Optical properties of Cantor nanostructures made from porous silicon: A sensing application. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 452-458.	2.0	9
30	Porous silicon microcarriers for extended release of metformin: Design, biological evaluation and 3D kinetics modeling. Chemical Engineering Journal, 2019, 365, 415-428.	12.7	9
31	Synthesis of Bamboo-like Multiwall Carbon Nanotubeâ€“Poly(Acrylic Acid-co-Itaconic Acid)/NaOH Composite Hydrogel and its Potential Application for Electrochemical Detection of Cadmium(II). Biosensors, 2020, 10, 147.	4.7	9
32	Matrix metalloproteinase sensing via porous silicon microcavity devices functionalized with human antibodies. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1888-1892.	0.8	7
33	Eu3+/Yb3+ co-doped gadolinium oxysulfide upconverting nanorods: Morphological, physicochemical and optical evaluation. Journal of Alloys and Compounds, 2019, 787, 1032-1043.	5.5	7
34	Mesoporous Silicon Particles Favor the Induction of Long-Lived Humoral Responses in Mice to a Peptide-Based Vaccine. Materials, 2018, 11, 1083.	2.9	6
35	Mesoporous Biomaterials â€“ multifunctional materials for future medical therapies and bioanalysis. Open Material Sciences, 2015, 2, 1-2.	0.8	5
36	Structure/Property Relationships of Poly(L-lactic Acid)/Mesoporous Silica Nanocomposites. Journal of Polymers, 2013, 2013, 1-10.	0.9	4

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37	Hybrid Porous Silicon- Rhodamine B Derivative Nanostructures as Chemical Sensor for Hg(II) Detection. ECS Transactions, 2014, 64, 31-34.	0.5	4
38	A novel acrylic acid-Schizochytrium sp. bio-based polymer: Design, synthesis, and properties. Materials Today Communications, 2021, 26, 102029.	1.9	4
39	Evaluation of a rapid and long-effective pickling method for iron rust removal on metallic surfaces using carboxylic acid-based polymers. Journal of Polymer Research, 2021, 28, 1.	2.4	3
40	The potential of porous silicon particles for multi-epitopic vaccine development. Open Material Sciences, 2016, 3, .	0.8	1
41	Optimized microwave-assisted functionalization and quantification of superficial amino groups on porous silicon nanostructured microparticles. Analytical Methods, 2021, 13, 516-525.	2.7	1
42	Two Methods of AuNPs Synthesis Induce Differential Vascular Effects. The Role of the Endothelial Glycocalyx. Frontiers in Medicine, 0, 9, .	2.6	1
43	Functional mesoporous materials. Open Material Sciences, 2016, 3, .	0.8	0
44	Porous Silicon Nanostructured Materials for Sensing Applications: Molecular Assembling and Electrochemical or Optical Evaluation. Materials Research Society Symposia Proceedings, 2016, 1812, 77-82.	0.1	0
45	Synthesis and Characterization of CaF2 Thin Films Doped with Tb3+. MRS Advances, 2017, 2, 147-152.	0.9	0
46	In-Vitro Silanization of Dental Enamel to Prevent Demineralization. Odovtos International Journal of Dental Sciences, 0, , 353-363.	0.1	0
47	Tramadol extended-release porous silicon microcarriers: A kinetic, physicochemical and biological evaluation. Journal of Drug Delivery Science and Technology, 2022, 69, 103132.	3.0	0