

Laura Polito

List of Publications by Year in descending order

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42
papers

1,517
citations

361413

20
h-index

315739

38
g-index

48
all docs

48
docs citations

48
times ranked

2365
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and Use of Microarrays Containing Synthetic Heparin Oligosaccharides for the Rapid Analysis of Heparin-Protein Interactions. <i>Chemistry - A European Journal</i> , 2006, 12, 8664-8686.	3.3	182
2	Profiling Heparin-Chemokine Interactions Using Synthetic Tools. <i>ACS Chemical Biology</i> , 2007, 2, 735-744.	3.4	149
3	Anisotropic Gold Nanoparticles in Biomedical Applications. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3385.	4.1	94
4	One-step bioengineering of magnetic nanoparticles via a surface diazo transfer/azide-alkyne click reaction sequence. <i>Chemical Communications</i> , 2008, , 621-623.	4.1	83
5	Glucose-derived ionic liquids: exploring low-cost sources for novel chiral solvents. <i>Green Chemistry</i> , 2007, 9, 337.	9.0	78
6	Glyco-gold nanoparticles: synthesis and applications. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1008-1021.	2.2	73
7	Site-Specific Conjugation of ScFvs Antibodies to Nanoparticles by Bioorthogonal Strain-Promoted Alkyne-Nitrone Cycloaddition. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 496-499.	13.8	66
8	Resolving the Structure of Ligands Bound to the Surface of Superparamagnetic Iron Oxide Nanoparticles by High-Resolution Magic-Angle Spinning NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 12712-12724.	13.7	63
9	HER2 targeting as a two-sided strategy for breast cancer diagnosis and treatment: Outlook and recent implications in nanomedical approaches. <i>Pharmacological Research</i> , 2010, 62, 150-165.	7.1	63
10	Minimum FGF2 Binding Structural Requirements of Heparin and Heparan Sulfate Oligosaccharides As Determined by NMR Spectroscopy. <i>Biochemistry</i> , 2008, 47, 13862-13869.	2.5	57
11	Multivalent, Saccharide-Functionalized Gold Nanoparticles as Fully Synthetic Analogs of Type A <i>Neisseria meningitidis</i> Antigens. <i>Advanced Materials</i> , 2008, 20, 4348-4352.	21.0	52
12	Synthesis and Biological Evaluation of Phosphono Analogues of Capsular Polysaccharide Fragments from <i>Neisseria meningitidis</i> . <i>Chemistry - A European Journal</i> , 2007, 13, 6623-6635.	3.3	46
13	Gold nanoparticle-based platforms for vaccine development. <i>Drug Discovery Today: Technologies</i> , 2020, 38, 57-67.	4.0	46
14	Recent advances on smart glycoconjugate vaccines in infections and cancer. <i>FEBS Journal</i> , 2022, 289, 4251-4303.	4.7	39
15	Immunoactivity of Protein Conjugates of Carba Analogues from <i>Neisseria meningitidis</i> A Capsular Polysaccharide. <i>ACS Chemical Biology</i> , 2013, 8, 2561-2567.	3.4	35
16	Design of functionalized gold nanoparticle probes for computed tomography imaging. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 405-414.	0.8	34
17	Influence of surface coating on the intracellular behaviour of gold nanoparticles: a fluorescence correlation spectroscopy study. <i>Nanoscale</i> , 2017, 9, 14730-14739.	5.6	30
18	Fluidic Manufacture of Star-Shaped Gold Nanoparticles. <i>Chemistry - A European Journal</i> , 2017, 23, 9732-9735.	3.3	26

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19	Gold nanoparticles morphology does not affect the multivalent presentation and antibody recognition of Group A <i>Streptococcus</i> synthetic oligorhamnans. <i>Bioorganic Chemistry</i> , 2020, 99, 103815.	4.1	24
20	A Synthetic Disaccharide Analogue from <i>Neisseria meningitidis</i> A Capsular Polysaccharide Stimulates Immune Cell Responses and Induces Immunoglobulin G (IgG) Production in Mice When Protein-Conjugated. <i>ACS Infectious Diseases</i> , 2015, 1, 487-496.	3.8	21
21	Plasmonic control of drug release efficiency in agarose gel loaded with gold nanoparticle assemblies. <i>Nanophotonics</i> , 2020, 10, 247-257.	6.0	20
22	Gold nanoparticles obtained by aqueous digestive ripening: Their application as X-ray contrast agents. <i>Journal of Colloid and Interface Science</i> , 2015, 439, 28-33.	9.4	19
23	Synthesis of Water Dispersible and Catalytically Active Gold-Decorated Cobalt Ferrite Nanoparticles. <i>Langmuir</i> , 2016, 32, 7117-7126.	3.5	19
24	Simple Synthesis of Versatile Coumarin Scaffolds. <i>Synthetic Communications</i> , 2006, 36, 2203-2209.	2.1	18
25	Intracisternal delivery of PEG-coated gold nanoparticles results in high brain penetrance and long-lasting stability. <i>Journal of Nanobiotechnology</i> , 2019, 17, 49.	9.1	18
26	Microfluidic Synthesis of Hybrid TiO ₂ -Anisotropic Gold Nanoparticles with Visible and Near-Infrared Activity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38522-38529.	8.0	18
27	Trehalose-based neuroprotective autophagy inducers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 40, 127929.	2.2	16
28	Nanolipid-Trehalose Conjugates and Nano-Assemblies as Putative Autophagy Inducers. <i>Pharmaceutics</i> , 2019, 11, 422.	4.5	14
29	Gold-Coated Superparamagnetic Nanoparticles for Single Methyl Discrimination in DNA Aptamers. <i>International Journal of Molecular Sciences</i> , 2015, 16, 27625-27639.	4.1	13
30	Exploiting the cross-metathesis reaction in the synthesis of pseudo-oligosaccharides. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2635.	2.8	11
31	New Class of Betulinic Acid-Based Nanoassemblies of Cabazitaxel, Podophyllotoxin, and Thiocolchicine. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 895-898.	2.8	11
32	Synthesis of a Structural Analogue of the Repeating Unit from <i>Streptococcus pneumoniae</i> 19F Capsular Polysaccharide Based on the Cross-Metathesis/Selenocyclization Reaction Sequence. <i>Journal of Organic Chemistry</i> , 2013, 78, 5172-5183.	3.2	10
33	A Strategy for Multivalent Presentation of Carba Analogues from <i>N. meningitidis</i> A Capsular Polysaccharide. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5915-5924.	2.4	10
34	Impact of ConcanavalinA affinity in the intracellular fate of Protein Corona on Glucosamine Au nanoparticles. <i>Scientific Reports</i> , 2018, 8, 9046.	3.3	10
35	Self-assembling Releasable Thiocolchicine/Diphenylbutenylaniline Conjugates. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 611-614.	2.8	8
36	Towards a Universal Method for the Stable and Clean Functionalization of Inert Perfluoropolymer Nanoparticles: Exploiting Photopolymerizable Amphiphilic Diacetylenes. <i>Advanced Functional Materials</i> , 2010, 20, 3932-3940.	14.9	7

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37	Metal vapor synthesis of ultras-small Pd nanoparticles functionalized with N-heterocyclic carbenes. Dalton Transactions, 2018, 47, 12647-12651.	3.3	7
38	Squalene-Based Nano-Assemblies Improve the Pro-Autophagic Activity of Trehalose. Pharmaceutics, 2022, 14, 862.	4.5	7
39	Glyconanoparticles as tools to prevent antimicrobial resistance. Glycoconjugate Journal, 2021, 38, 475-490.	2.7	4
40	Topological features of the intermolecular contacts in gluten-forming proteins: Exploring a novel methodological approach based on gold nanoparticles. Food Research International, 2019, 119, 492-498.	6.2	2
41	Glyconanoparticles as versatile platforms for vaccine development: A minireview. , 2020, , 381-411.		1
42	New nanostructures inhibiting human mannose binding lectin identified by a novel surface plasmon resonance assay. Sensors and Actuators B: Chemical, 2022, 360, 131661.	7.8	0