Lucia Pasquato

List of Publications by Year
in descending order

87 papers	4,756 citations	87888 38 h-index	98798 67 g-index
101 all docs	101 docs citations	101 times ranked	5369 citing authors

#	Article	IF	Citations
1	Thiolate end-group regulates ligand arrangement, hydration and affinity for small compounds in monolayer-protected gold nanoparticles. Journal of Colloid and Interface Science, 2022, 607, 1373-1381.	9.4	4
2	Label-Free, Rapid and Facile Gold-Nanoparticles-Based Assay as a Potential Spectroscopic Tool for Trastuzumab Quantification. Nanomaterials, 2021, 11, 3181.	4.1	2
3	Functionalized Gold Nanoparticles as Contrast Agents for Proton and Dual Proton/Fluorine MRI. Nanomaterials, 2019, 9, 879.	4.1	21
4	Mixed Fluorinated/Hydrogenated Selfâ€Assembled Monolayerâ€Protected Gold Nanoparticles: In Silico and In Vitro Behavior. Small, 2019, 15, e1900323.	10.0	18
5	Gold nanoparticles protected by mixed hydrogenated/fluorinated monolayers: controlling and exploring the surface features. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	3
6	Self-sorting in mixed fluorinated/hydrogenated assemblies. Supramolecular Chemistry, 2017, 29, 808-822.	1.2	3
7	Gold nanoparticles with patterned surface monolayers for nanomedicine: current perspectives. European Biophysics Journal, 2017, 46, 749-771.	2.2	64
8	Fluorinated and Charged Hydrogenated Alkanethiolates Grafted on Gold: Expanding the Diversity of Mixed-Monolayer Nanoparticles for Biological Applications. Bioconjugate Chemistry, 2017, 28, 43-52.	3.6	17
9	Hydrolytic Metallo-Nanozymes: From Micelles and Vesicles to Gold Nanoparticles. Molecules, 2016, 21, 1014.	3.8	56
10	Patchy and Janus Nanoparticles by Self-Organization of Mixtures of Fluorinated and Hydrogenated Alkanethiolates on the Surface of a Gold Core. ACS Nano, 2016, 10, 9316-9325.	14.6	48
11	Particles at interfaces: general discussion. Faraday Discussions, 2016, 191, 407-434.	3.2	1
12	Routes to the preparation of mixed monolayers of fluorinated and hydrogenated alkanethiolates grafted on the surface of gold nanoparticles. Faraday Discussions, 2016, 191, 527-543.	3.2	19
13	Gold nanoparticles protected by fluorinated ligands: Syntheses, properties and applications. Journal of Fluorine Chemistry, 2015, 177, 2-10.	1.7	24
14	Differential reactivity of the inner and outer positions of Au₂₅(SCH₂CH₂Ph)₁₈ dimeric staples under place exchange conditions. Chemical Communications, 2015, 51, 3204-3207.	4.1	23
15	Gold nanoparticles as drug carriers: a contribution to the quest for basic principles for monolayer design. Journal of Materials Chemistry B, 2015, 3, 432-439.	5.8	23
16	Physico-Chemical Characteristics of Gold Nanoparticles. Comprehensive Analytical Chemistry, 2014, 66, 81-152.	1.3	25
17	Gold nanoparticles protected by fluorinated ligands for 19F MRI. Chemical Communications, 2013, 49, 8794.	4.1	36
18	Multivalent presentation of a hydrolytically stable GM3 lactone mimetic as modulator of melanoma cells motility and adhesion. Bioorganic and Medicinal Chemistry, 2013, 21, 2756-2763.	3.0	12

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19	Self-Organization of Mixtures of Fluorocarbon and Hydrocarbon Amphiphilic Thiolates on the Surface of Gold Nanoparticles. ACS Nano, 2012, 6, 7243-7253.	14.6	40
20	ESR spectroscopy as a tool to investigate the properties of self-assembled monolayers protecting gold nanoparticles. Nanoscale, 2010, 2, 668.	5.6	48
21	Active and Stable Embedded Au@CeO₂ Catalysts for Preferential Oxidation of CO. Chemistry of Materials, 2010, 22, 4335-4345.	6.7	87
22	Morphology of mixed-monolayers protecting metal nanoparticles. Journal of Materials Chemistry, 2010, 20, 1403-1412.	6.7	38
23	Formation of Patches on 3D SAMs Driven by Thiols with Immiscible Chains Observed by ESR Spectroscopy. Angewandte Chemie - International Edition, 2009, 48, 3060-3064.	13.8	61
24	Cooperative nanosystems. Journal of Peptide Science, 2008, 14, 174-183.	1.4	32
25	Straightforward Synthesis of Fluorinated Amphiphilic Thiols. European Journal of Organic Chemistry, 2008, 2008, 3308-3313.	2.4	18
26	Mechanistic investigation on 2-aza-spiro[4,5]decan-3-one formation from 1-(aminomethyl)cyclohexylacetic acid (gabapentin). Tetrahedron, 2008, 64, 6739-6743.	1.9	12
27	Water-Soluble Gold Nanoparticles Protected by Fluorinated Amphiphilic Thiolates. Journal of the American Chemical Society, 2008, 130, 15678-15682.	13.7	75
28	Decorating carbon nanotubes with metal or semiconductor nanoparticles. Journal of Materials Chemistry, 2007, 17, 2679.	6.7	622
29	Metallodendrimers as Transphosphorylation Catalysts. Journal of the American Chemical Society, 2007, 129, 6982-6983.	13.7	65
30	Monolayer Protected Gold Nanoparticles on Ceria for an Efficient CO Oxidation Catalyst. Chemistry of Materials, 2007, 19, 650-651.	6.7	56
31	Solvent Polarity Controls the Helical Conformation of Short Peptides Rich in CÎ±-Tetrasubstituted Amino Acids. Chemistry - A European Journal, 2007, 13, 407-416.	3.3	43
32	Substrate Modulation of the Activity of an Artificial Nanoesterase Made of Peptide-Functionalized Gold Nanoparticles. Angewandte Chemie - International Edition, 2007, 46, 400-404.	13.8	96
33	Gold nanoparticles-based protease assay. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3978-3982.	7.1	274
34	Nanozymes: Functional Nanoparticle-Based Catalysts. ChemInform, 2006, 37, no.	0.0	0
35	Dispersable Carbon Nanotube/Gold Nanohybrids: Evidence for Strong Electronic Interactions. Small, 2005, 1, 527-530.	10.0	100
36	Carboxylateâ''Imidazole Cooperativity in Dipeptide-Functionalized Gold Nanoparticles with Esterase-like Activity. Journal of the American Chemical Society, 2005, 127, 1616-1617.	13.7	139

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37	Reversible Aggregation/Deaggregation of Gold Nanoparticles Induced by a Cleavable Dithiol Linker. Langmuir, 2005, 21, 5537-5541.	3.5	65
38	Nanozymes: Functional Nanoparticle-based Catalysts. Supramolecular Chemistry, 2005, 17, 163-171.	1.2	65
39	Effect of Core Size on the Partition of Organic Solutes in the Monolayer of Water-Soluble Nanoparticles:Â An ESR Investigation. Journal of the American Chemical Society, 2005, 127, 16384-16385.	13.7	81
40	Biological and Biomimetic Applications of Nanoparticles. Nanostructure Science and Technology, 2004, , 251-282.	0.1	6
41	Nanozymes: Gold-Nanoparticle-Based Transphosphorylation Catalysts. Angewandte Chemie - International Edition, 2004, 43, 6165-6169.	13.8	474
42	Functional gold nanoparticles for recognition and catalysis. Journal of Materials Chemistry, 2004, 14, 3481.	6.7	124
43	Role of Secondary Structure in the Asymmetric Acylation Reaction Catalyzed by Peptides Based on Chiral CÎ±-Tetrasubstituted Î±-Amino Acids. Journal of Organic Chemistry, 2004, 69, 3849-3856.	3.2	39
44	EPR Study of Dialkyl Nitroxides as Probes to Investigate the Exchange of Solutes between the Ligand Shell of Monolayers of Protected Gold Nanoparticles and Aqueous Solutions. Journal of the American Chemical Society, 2004, 126, 9326-9329.	13.7	75
45	Title is missing!. Angewandte Chemie, 2003, 115, 3510-3514.	2.0	23
46	Quantitative Correlation of Solvent Polarity with the Î±-/310-Helix Equilibrium: A Heptapeptide Behaves as a Solvent-Driven Molecular Spring. Angewandte Chemie - International Edition, 2003, 42, 3388-3392.	13.8	91
47	C2-symmetrical sterolâ€“polyether conjugates as highly efficient synthetic ionophores. Tetrahedron Letters, 2003, 44, 6121-6124.	1.4	13
48	Synthesis, characterization and properties of water-soluble gold nanoparticles with tunable core size. Journal of Materials Chemistry, 2003, 13, 2471-2478.	6.7	77
49	Synthesis of a Stable Helical Peptide and Grafting on Gold Nanoparticles. Langmuir, 2003, 19, 2521-2524.	3.5	50
50	Complexes of Platinum(II) Containing Neutral and Deprotonated 9-Methyladenine. Synthesis, X-ray Structures, and NMR Studies on the Cyclic Trimercis-[L2Pt{9-MeAd(â^'H)}]3(NO3)3and the Dinuclearcis-[L2Pt(ONO2){9-MeAd(â^'H)}PtL2](NO3)2(L = PMePh2). Inorganic Chemistry, 2003, 42, 7861-7871.	4.0	40
51	Multivalent recognition of bis- and tris-Zn-porphyrins by N-methylimidazole functionalized gold nanoparticles. Chemical Communications, 2003, , 1004-1005.	4.1	29
52	An artificial ionophore based on a polyhydroxylated steroid dimer. Chemical Communications, 2002, , 3066-3067.	4.1	20
53	Gold nanoparticles protected with triethyleneglycol-Functionalized thiolates: acid-Induced clustering of the aggregates and solvent dependent optical properties. Journal of Supramolecular Chemistry, 2002, 2, 305-310.	0.4	13
54	NMR enantiodifferentiation of thiiranium cations by chiral hexacoordinated phosphate anions. Tetrahedron Letters, 2002, 43, 5517-5520.	1.4	25

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55	Duality of Mechanism in the Tetramethylfluoroformamidinium Hexafluorophosphate-Mediated Synthesis ofN-Benzyloxycarbonylamino Acid Fluorides. Journal of Organic Chemistry, 2001, 66, 5905-5910.	3.2	25
56	â€œRS+â€•as a Coupling Reagent for Phosphorylation and Carboxylic Acid Activation. European Journal of Organic Chemistry, 2001, 2001, 3457-3460.	2.4	3
57	Geometry and Conformation of Thietanium Ions from Diffraction Data andAb Initio Calculations. Helvetica Chimica Acta, 2001, 84, 860-866.	1.6	6
58	Different Approaching Directions of Ïƒ and Ï€ Nucleophiles to the Sulfur Atom of Thiiranium and Thiirenium Ions. Chemistry - A European Journal, 2000, 6, 589-590.	3.3	13
59	Conversion of Bis(trichloromethyl) Carbonate to Phosgene and Reactivity of Triphosgene, Diphosgene, and Phosgene with Methanol1. Journal of Organic Chemistry, 2000, 65, 8224-8228.	3.2	85
60	N-Methylimidazole-functionalized gold nanoparticles as catalysts for cleavage of a carboxylic acid ester. Chemical Communications, 2000, , 2253-2254.	4.1	95
61	X-ray Structures and Anionotropic Rearrangements of Di-tert-butyl-Substituted Thiiranium and Thiirenium Ions. A Structureâ^'Reactivity Relationship. Journal of Organic Chemistry, 2000, 65, 3367-3370.	3.2	48
62	The phenylsulfenium cation: Electronic structure and gas-phase reactivity. Tetrahedron Letters, 1999, 40, 6073-6076.	1.4	13
63	Nucleophilic Reactions at the Sulfur of Thiiranium and Thiirenium Ions. New Insight in the Electrophilic Additions to Alkenes and Alkynes. Evidence for an Episulfurane Intermediate. Journal of the American Chemical Society, 1999, 121, 3944-3950.	13.7	46
64	Sulfur Electrophiles as Mechanistic Probe. New Insight in the Electrophilic Additions. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 153, 235-245.	1.6	5
65	Different Reactivity Modes of Cis and Trans Di-tert-butylthiiranium Tetrafluoroborates1with Water. A New Insight in the Electrophilic Additions toZandEDi-tert-butylethylenesâ€. Journal of Organic Chemistry, 1997, 62, 7018-7020.	3.2	15
66	SN2 and AdN-E Mechanisms in Bimolecular Nucleophilic Substitutions at Vinyl Carbon. The Relevance of the LUMO Symmetry of the Electrophile. Journal of the American Chemical Society, 1995, 117, 2297-2300.	13.7	56
67	Thiiranium and Thiirenium Ions Chemistry and Stereochemistry. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 95, 265-282.	1.6	14
68	Enantiopure thiosulfonium salts in asymmetric synthesis. Face selectivity in electrophilic additions to unfunctionalised olefins. Journal of the Chemical Society Chemical Communications, 1994, , 1565.	2.0	50
69	An authentic case of in-plane nucleophilic vinylic substitution: the anionotropic rearrangement of di-tert-butylthiirenium ions into thietium ions. Journal of the American Chemical Society, 1993, 115, 4527-4531.	13.7	46
70	Nucleophilic reactivity of sulfonyl oxygen. Detection and isolation of Î³-sultinium ions. Journal of the Chemical Society Chemical Communications, 1992, , 293-294.	2.0	12
71	1,2-bis(ARYLSULFONYL)ALKENES. A REVIEW. Organic Preparations and Procedures International, 1991, 23, 571-592.	1.3	11
72	Bis(arylsulphonyl)acetylenes. Tetrahedron Letters, 1991, 32, 2177-2178.	1.4	31

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73	Anionotropic rearrangements of tert-butyl- and adamantylthiiranium ions into thietanium ions. A novel case of selectivity. Journal of the American Chemical Society, 1991, 113, 6600-6607.	13.7	34
74	Cycloaddition of 4â€Phenylâ€4Hâ€1,2,4â€triazoleâ€3,5â€dione (PTAD) to 7â€Alkylideneâ€2,3â€benzonorbornadienes. Chemische Berichte, 1989, 122, 133-143.	0.2	14
75	The role of sulfur functionalities in activating and directing olefins in cycloaddition reactions. Tetrahedron, 1988, 44, 6755-6794.	1.9	150
76	Reactivity of phenyl(tolylsulfonyl)acetylene towards dienes and homo-dienes: cycloadditions versus fragmentation-addition reactions. Tetrahedron Letters, 1988, 29, 831-834.	1.4	23
77	Novel type of selectivity in anionotropic rearrangements. Journal of the American Chemical Society, 1988, 110, 6900-6901.	13.7	26
78	Cycloaddition Behavior of 2-Substituted Norbornadienes towards 4-Phenyl-4H-1,2,4-triazole-3,5-dione (PTAD): Homo Diels-Alder Reactivity versus Insertion, Rearrangement, and [2 + 2] Cycloaddition. Chemische Berichte, 1987, 120, 531-535.	0.2	17
79	3,4-Epoxy-5-hydroxycyclopentene via Titanium(IV)-catalyzed photooxygenation and its pyrolysis to 2,4-pentadienoic acid.. Tetrahedron Letters, 1987, 28, 311-314.	1.4	13
80	Consequences of fixing three parallel coplanar double bonds in close proximity with different geometries. Synthesis and spectral parameters of syn- and anti-sesquinorbornatriene. Journal of the American Chemical Society, 1986, 108, 3453-3460.	13.7	40
81	Unusual Rearrangement Products in the Cycloaddition of 4â€Phenylâ€4Hâ€1,2,4â€triazoleâ€3,5â€dione (PTAD) to Substituted 7â€Methylenenorbornenes. Chemische Berichte, 1986, 119, 2932-2941.	0.2	8
82	Crystal structures of isomeric bis(benzenesulfonyl)ethylenes, C14H12O4S2. Zeitschrift FÃ¼r Kristallographie, 1985, 170, 267-274.	1.1	4
83	Thermal and photochemical addition of phenyl(arylsulphonyl)acetylenes to alkenes. Journal of the Chemical Society Chemical Communications, 1985, , 1597.	2.0	19
84	anti-1,4,5,8-Tetrahydro-1,4;5,8-dimethanonaphthalene (sesquinorbornadiene), a molecule with three parallel, coplanar, and interacting double bonds. Journal of the Chemical Society Chemical Communications, 1985, , 418.	2.0	8
85	1,1-Bis(benzenesulfonyl)ethylene: A synthetic equivalent of ethylene 1,2-dipole. Tetrahedron Letters, 1984, 25, 3643-3646.	1.4	28
86	The (Z)- and (E)-1,2-bis(phenylsulfonyl)ethylenes as synthetic equivalents to acetylene as dienophile. Journal of Organic Chemistry, 1984, 49, 596-604.	3.2	137
87	Wet-Chemical Synthesis of Porous Multifaceted Platinum Nanoparticles for Oxygen Reduction and Methanol Oxidation Reactions. ACS Applied Nano Materials, 0, , .	5.0	7