

Lucia Pasquato

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8063540/publications.pdf>

Version: 2024-02-01

87
papers

4,756
citations

87723

38
h-index

98622

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. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1373-1381.	5.0	4
2	Label-Free, Rapid and Facile Gold-Nanoparticles-Based Assay as a Potential Spectroscopic Tool for Trastuzumab Quantification. <i>Nanomaterials</i> , 2021, 11, 3181.	1.9	2
3	Functionalized Gold Nanoparticles as Contrast Agents for Proton and Dual Proton/Fluorine MRI. <i>Nanomaterials</i> , 2019, 9, 879.	1.9	21
4	Mixed Fluorinated/Hydrogenated Self-Assembled Monolayer-Protected Gold Nanoparticles: In Silico and In Vitro Behavior. <i>Small</i> , 2019, 15, e1900323.	5.2	18
5	Gold nanoparticles protected by mixed hydrogenated/fluorinated monolayers: controlling and exploring the surface features. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	3
6	Self-sorting in mixed fluorinated/hydrogenated assemblies. <i>Supramolecular Chemistry</i> , 2017, 29, 808-822.	1.5	3
7	Gold nanoparticles with patterned surface monolayers for nanomedicine: current perspectives. <i>European Biophysics Journal</i> , 2017, 46, 749-771.	1.2	64
8	Fluorinated and Charged Hydrogenated Alkanethiolates Grafted on Gold: Expanding the Diversity of Mixed-Monolayer Nanoparticles for Biological Applications. <i>Bioconjugate Chemistry</i> , 2017, 28, 43-52.	1.8	17
9	Hydrolytic Metallo-Nanozymes: From Micelles and Vesicles to Gold Nanoparticles. <i>Molecules</i> , 2016, 21, 1014.	1.7	56
10	Patchy and Janus Nanoparticles by Self-Organization of Mixtures of Fluorinated and Hydrogenated Alkanethiolates on the Surface of a Gold Core. <i>ACS Nano</i> , 2016, 10, 9316-9325.	7.3	48
11	Particles at interfaces: general discussion. <i>Faraday Discussions</i> , 2016, 191, 407-434.	1.6	1
12	Routes to the preparation of mixed monolayers of fluorinated and hydrogenated alkanethiolates grafted on the surface of gold nanoparticles. <i>Faraday Discussions</i> , 2016, 191, 527-543.	1.6	19
13	Gold nanoparticles protected by fluorinated ligands: Syntheses, properties and applications. <i>Journal of Fluorine Chemistry</i> , 2015, 177, 2-10.	0.9	24
14	Differential reactivity of the inner and outer positions of Au ₂₅ (SCH ₂ CH ₂ Ph) ₁₈ dimeric staples under place exchange conditions. <i>Chemical Communications</i> , 2015, 51, 3204-3207.	2.2	23
15	Gold nanoparticles as drug carriers: a contribution to the quest for basic principles for monolayer design. <i>Journal of Materials Chemistry B</i> , 2015, 3, 432-439.	2.9	23
16	Physico-Chemical Characteristics of Gold Nanoparticles. <i>Comprehensive Analytical Chemistry</i> , 2014, 66, 81-152.	0.7	25
17	Gold nanoparticles protected by fluorinated ligands for 19F MRI. <i>Chemical Communications</i> , 2013, 49, 8794.	2.2	36
18	Multivalent presentation of a hydrolytically stable GM3 lactone mimetic as modulator of melanoma cells motility and adhesion. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 2756-2763.	1.4	12

#	ARTICLE	IF	CITATIONS
19	Self-Organization of Mixtures of Fluorocarbon and Hydrocarbon Amphiphilic Thiolates on the Surface of Gold Nanoparticles. <i>ACS Nano</i> , 2012, 6, 7243-7253.	7.3	40
20	ESR spectroscopy as a tool to investigate the properties of self-assembled monolayers protecting gold nanoparticles. <i>Nanoscale</i> , 2010, 2, 668.	2.8	48
21	Active and Stable Embedded Au@CeO ₂ Catalysts for Preferential Oxidation of CO. <i>Chemistry of Materials</i> , 2010, 22, 4335-4345.	3.2	87
22	Morphology of mixed-monolayers protecting metal nanoparticles. <i>Journal of Materials Chemistry</i> , 2010, 20, 1403-1412.	6.7	38
23	Formation of Patches on 3D SAMs Driven by Thiols with Immiscible Chains Observed by ESR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3060-3064.	7.2	61
24	Cooperative nanosystems. <i>Journal of Peptide Science</i> , 2008, 14, 174-183.	0.8	32
25	Straightforward Synthesis of Fluorinated Amphiphilic Thiols. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3308-3313.	1.2	18
26	Mechanistic investigation on 2-aza-spiro[4,5]decan-3-one formation from 1-(aminomethyl)cyclohexylacetic acid (gabapentin). <i>Tetrahedron</i> , 2008, 64, 6739-6743.	1.0	12
27	Water-Soluble Gold Nanoparticles Protected by Fluorinated Amphiphilic Thiolates. <i>Journal of the American Chemical Society</i> , 2008, 130, 15678-15682.	6.6	75
28	Decorating carbon nanotubes with metal or semiconductor nanoparticles. <i>Journal of Materials Chemistry</i> , 2007, 17, 2679.	6.7	622
29	Metallo dendrimers as Transphosphorylation Catalysts. <i>Journal of the American Chemical Society</i> , 2007, 129, 6982-6983.	6.6	65
30	Monolayer Protected Gold Nanoparticles on Ceria for an Efficient CO Oxidation Catalyst. <i>Chemistry of Materials</i> , 2007, 19, 650-651.	3.2	56
31	Solvent Polarity Controls the Helical Conformation of Short Peptides Rich in C ^α -Tetrasubstituted Amino Acids. <i>Chemistry - A European Journal</i> , 2007, 13, 407-416.	1.7	43
32	Substrate Modulation of the Activity of an Artificial Nanoesterase Made of Peptide-Functionalized Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 400-404.	7.2	96
33	Gold nanoparticles-based protease assay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3978-3982.	3.3	274
34	Nanozymes: Functional Nanoparticle-Based Catalysts. <i>ChemInform</i> , 2006, 37, no.	0.1	0
35	Dispersable Carbon Nanotube/Gold Nanohybrids: Evidence for Strong Electronic Interactions. <i>Small</i> , 2005, 1, 527-530.	5.2	100
36	Carboxylate~Imidazole Cooperativity in Dipeptide-Functionalized Gold Nanoparticles with Esterase-like Activity. <i>Journal of the American Chemical Society</i> , 2005, 127, 1616-1617.	6.6	139

#	ARTICLE	IF	CITATIONS
37	Reversible Aggregation/Deaggregation of Gold Nanoparticles Induced by a Cleavable Dithiol Linker. <i>Langmuir</i> , 2005, 21, 5537-5541.	1.6	65
38	Nanozymes: Functional Nanoparticle-based Catalysts. <i>Supramolecular Chemistry</i> , 2005, 17, 163-171.	1.5	65
39	Effect of Core Size on the Partition of Organic Solutes in the Monolayer of Water-Soluble Nanoparticles: An ESR Investigation. <i>Journal of the American Chemical Society</i> , 2005, 127, 16384-16385.	6.6	81
40	Biological and Biomimetic Applications of Nanoparticles. <i>Nanostructure Science and Technology</i> , 2004, , 251-282.	0.1	6
41	Nanozymes: Gold-Nanoparticle-Based Transphosphorylation Catalysts. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6165-6169.	7.2	474
42	Functional gold nanoparticles for recognition and catalysis. <i>Journal of Materials Chemistry</i> , 2004, 14, 3481.	6.7	124
43	Role of Secondary Structure in the Asymmetric Acylation Reaction Catalyzed by Peptides Based on Chiral C ₁ -Tetrasubstituted α -Amino Acids. <i>Journal of Organic Chemistry</i> , 2004, 69, 3849-3856.	1.7	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. <i>Journal of the American Chemical Society</i> , 2004, 126, 9326-9329.	6.6	75
45	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 3510-3514.	1.6	23
46	Quantitative Correlation of Solvent Polarity with the α -/310-Helix Equilibrium: A Heptapeptide Behaves as a Solvent-Driven Molecular Spring. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3388-3392.	7.2	91
47	C ₂ -symmetrical sterol "polyether conjugates as highly efficient synthetic ionophores. <i>Tetrahedron Letters</i> , 2003, 44, 6121-6124.	0.7	13
48	Synthesis, characterization and properties of water-soluble gold nanoparticles with tunable core size. <i>Journal of Materials Chemistry</i> , 2003, 13, 2471-2478.	6.7	77
49	Synthesis of a Stable Helical Peptide and Grafting on Gold Nanoparticles. <i>Langmuir</i> , 2003, 19, 2521-2524.	1.6	50
50	Complexes of Platinum(II) Containing Neutral and Deprotonated 9-Methyladenine. Synthesis, X-ray Structures, and NMR Studies on the Cyclic Trimeric-[L ₂ Pt{9-MeAd(α -H)}] ₃ (NO ₃) ₃ and the Dinuclear cis-[L ₂ Pt(ONO ₂){9-MeAd(α -H)}PtL ₂](NO ₃) ₂ (L = PMePh ₂). <i>Inorganic Chemistry</i> , 2003, 42, 7861-7871.	1.9	40
51	Multivalent recognition of bis- and tris-Zn-porphyrins by N-methylimidazole functionalized gold nanoparticles. <i>Chemical Communications</i> , 2003, , 1004-1005.	2.2	29
52	An artificial ionophore based on a polyhydroxylated steroid dimer. <i>Chemical Communications</i> , 2002, , 3066-3067.	2.2	20
53	Gold nanoparticles protected with triethyleneglycol-Functionalized thiolates: acid-Induced clustering of the aggregates and solvent dependent optical properties. <i>Journal of Supramolecular Chemistry</i> , 2002, 2, 305-310.	0.4	13
54	NMR enantiodifferentiation of thiiranium cations by chiral hexacoordinated phosphate anions. <i>Tetrahedron Letters</i> , 2002, 43, 5517-5520.	0.7	25

#	ARTICLE	IF	CITATIONS
55	Duality of Mechanism in the Tetramethylfluoroformamidinium Hexafluorophosphate-Mediated Synthesis of N-Benzyloxycarbonylamino Acid Fluorides. <i>Journal of Organic Chemistry</i> , 2001, 66, 5905-5910.	1.7	25
56	As a Coupling Reagent for Phosphorylation and Carboxylic Acid Activation. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 3457-3460.	1.2	3
57	Geometry and Conformation of Thietanium Ions from Diffraction Data and Ab Initio Calculations. <i>Helvetica Chimica Acta</i> , 2001, 84, 860-866.	1.0	6
58	Different Approaching Directions of I^- and I^- Nucleophiles to the Sulfur Atom of Thiiranium and Thiirenium Ions. <i>Chemistry - A European Journal</i> , 2000, 6, 589-590.	1.7	13
59	Conversion of Bis(trichloromethyl) Carbonate to Phosgene and Reactivity of Triphosgene, Diphosgene, and Phosgene with Methanol. <i>Journal of Organic Chemistry</i> , 2000, 65, 8224-8228.	1.7	85
60	N-Methylimidazole-functionalized gold nanoparticles as catalysts for cleavage of a carboxylic acid ester. <i>Chemical Communications</i> , 2000, , 2253-2254.	2.2	95
61	X-ray Structures and Anionotropic Rearrangements of Di-tert-butyl-Substituted Thiiranium and Thiirenium Ions. A Structure-Reactivity Relationship. <i>Journal of Organic Chemistry</i> , 2000, 65, 3367-3370.	1.7	48
62	The phenylsulfenium cation: Electronic structure and gas-phase reactivity. <i>Tetrahedron Letters</i> , 1999, 40, 6073-6076.	0.7	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. <i>Journal of the American Chemical Society</i> , 1999, 121, 3944-3950.	6.6	46
64	Sulfur Electrophiles as Mechanistic Probe. New Insight in the Electrophilic Additions. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999, 153, 235-245.	0.8	5
65	Different Reactivity Modes of Cis and Trans Di-tert-butylthiiranium Tetrafluoroborates with Water. A New Insight in the Electrophilic Additions to Z and E Di-tert-butylethylenes. <i>Journal of Organic Chemistry</i> , 1997, 62, 7018-7020.	1.7	15
66	$\text{S}_{\text{N}}2$ and AdN-E Mechanisms in Bimolecular Nucleophilic Substitutions at Vinyl Carbon. The Relevance of the LUMO Symmetry of the Electrophile. <i>Journal of the American Chemical Society</i> , 1995, 117, 2297-2300.	6.6	56
67	Thiiranium and Thiirenium Ions Chemistry and Stereochemistry. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1994, 95, 265-282.	0.8	14
68	Enantiopure thiosulfonium salts in asymmetric synthesis. Face selectivity in electrophilic additions to unfunctionalised olefins. <i>Journal of the Chemical Society Chemical Communications</i> , 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. <i>Journal of the American Chemical Society</i> , 1993, 115, 4527-4531.	6.6	46
70	Nucleophilic reactivity of sulfonyl oxygen. Detection and isolation of β^3 -sultinium ions. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 293-294.	2.0	12
71	1,2-bis(ARYLSULFONYL)ALKENES. A REVIEW. <i>Organic Preparations and Procedures International</i> , 1991, 23, 571-592.	0.6	11
72	Bis(arylsulphonyl)acetylenes. <i>Tetrahedron Letters</i> , 1991, 32, 2177-2178.	0.7	31

#	ARTICLE	IF	CITATIONS
73	Anionotropic rearrangements of tert-butyl- and adamantylthiiranium ions into thietanium ions. A novel case of selectivity. <i>Journal of the American Chemical Society</i> , 1991, 113, 6600-6607.	6.6	34
74	Cycloaddition of 4-Phenyl-4H-1,2,4-triazole-3,5-dione (PTAD) to Alkylidene-2,3-benzonorbornadienes. <i>Chemische Berichte</i> , 1989, 122, 133-143.	0.2	14
75	The role of sulfur functionalities in activating and directing olefins in cycloaddition reactions. <i>Tetrahedron</i> , 1988, 44, 6755-6794.	1.0	150
76	Reactivity of phenyl(tolylsulfonyl)acetylene towards dienes and homo-dienes: cycloadditions versus fragmentation-addition reactions. <i>Tetrahedron Letters</i> , 1988, 29, 831-834.	0.7	23
77	Novel type of selectivity in anionotropic rearrangements. <i>Journal of the American Chemical Society</i> , 1988, 110, 6900-6901.	6.6	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. <i>Chemische Berichte</i> , 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.. <i>Tetrahedron Letters</i> , 1987, 28, 311-314.	0.7	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. <i>Journal of the American Chemical Society</i> , 1986, 108, 3453-3460.	6.6	40
81	Unusual Rearrangement Products in the Cycloaddition of 4-Phenyl-4H-1,2,4-triazole-3,5-dione (PTAD) to Substituted Methylenebornenes. <i>Chemische Berichte</i> , 1986, 119, 2932-2941.	0.2	8
82	Crystal structures of isomeric bis(benzenesulfonyl)ethylenes, C ₁₄ H ₁₂ O ₄ S ₂ . <i>Zeitschrift für Kristallographie</i> , 1985, 170, 267-274.	1.1	4
83	Thermal and photochemical addition of phenyl(arylsulphonyl)acetylenes to alkenes. <i>Journal of the Chemical Society Chemical Communications</i> , 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. <i>Journal of the Chemical Society Chemical Communications</i> , 1985, , 418.	2.0	8
85	1,1-Bis(benzenesulfonyl)ethylene: A synthetic equivalent of ethylene 1,2-dipole. <i>Tetrahedron Letters</i> , 1984, 25, 3643-3646.	0.7	28
86	The (Z)- and (E)-1,2-bis(phenylsulfonyl)ethylenes as synthetic equivalents to acetylene as dienophile. <i>Journal of Organic Chemistry</i> , 1984, 49, 596-604.	1.7	137
87	Wet-Chemical Synthesis of Porous Multifaceted Platinum Nanoparticles for Oxygen Reduction and Methanol Oxidation Reactions. <i>ACS Applied Nano Materials</i> , 0, , .	2.4	7