

# Angelo Taglietti

## List of Publications by Citations

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114  
papers

6,128  
citations

41  
h-index

76  
g-index

118  
ext. papers

6,508  
ext. citations

5.9  
avg, IF

5.52  
L-index

#	Paper	IF	Citations
114	Light-emitting molecular devices based on transition metals. <i>Coordination Chemistry Reviews</i> , <b>2006</b> , 250, 273-299	23.2	306
113	The design of luminescent sensors for anions and ionisable analytes. <i>Coordination Chemistry Reviews</i> , <b>2000</b> , 205, 85-108	23.2	300
112	Molecular Recognition of Carboxylate Ions Based on the Metal-Ligand Interaction and Signaled through Fluorescence Quenching. <i>Angewandte Chemie International Edition in English</i> , <b>1996</b> , 35, 202-204		295
111	Pyrophosphate detection in water by fluorescence competition assays: inducing selectivity through the choice of the indicator. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 3811-4	16.4	258
110	Antibacterial activity of glutathione-coated silver nanoparticles against Gram positive and Gram negative bacteria. <i>Langmuir</i> , <b>2012</b> , 28, 8140-8	4	231
109	Fluorescent Sensors for Transition Metals Based on Electron-Transfer and Energy-Transfer Mechanisms. <i>Chemistry - A European Journal</i> , <b>1996</b> , 2, 75-82	4.8	230
108	Some guidelines for the design of anion receptors. <i>Coordination Chemistry Reviews</i> , <b>2006</b> , 250, 1451-1470	23.2	222
107	Designing the selectivity of the fluorescent detection of amino acids: a chemosensing ensemble for histidine. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 20-1	16.4	212
106	A colorimetric approach to anion sensing: a selective chemosensor of fluoride ions, in which color is generated by anion-enhanced pi delocalization. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 1962-5	16.4	202
105	Synthesis, characterization and antibacterial activity against Gram positive and Gram negative bacteria of biomimetically coated silver nanoparticles. <i>Langmuir</i> , <b>2011</b> , 27, 9165-73	4	169
104	Antibiofilm activity of a monolayer of silver nanoparticles anchored to an amino-silanized glass surface. <i>Biomaterials</i> , <b>2014</b> , 35, 1779-88	15.6	152
103	Sensing of transition metals through fluorescence quenching or enhancement. A review. <i>Analyst</i> , <b>1996</b> , 121, 1763	5	135
102	A dimetallic cage with a long ellipsoidal cavity for the fluorescent detection of dicarboxylate anions in water. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 3847-52	16.4	129
101	A chemosensing ensemble for selective carbonate detection in water based on metal-ligand interactions. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 3066-9	16.4	129
100	Anion recognition by dimetallic cryptates. <i>Coordination Chemistry Reviews</i> , <b>2001</b> , 219-221, 821-837	23.2	126
99	Self-assembled monolayers of silver nanoparticles firmly grafted on glass surfaces: low Ag <sup>+</sup> release for an efficient antibacterial activity. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 350, 110-6	9.3	118
98	(Benzylideneamino)thioureas [Chromogenic Interactions with Anions and NH <sub>2</sub> Deprotonation. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 3567-3574	3.2	111

97	Self-assembled monolayers of gold nanostars: a convenient tool for near-IR photothermal biofilm eradication. <i>Chemical Communications</i> , <b>2014</b> , 50, 1969-71	5.8	95
96	The design of fluorescent sensors for anions: taking profit from the metal-ligand interaction and exploiting two distinct paradigms. <i>Dalton Transactions</i> , <b>2003</b> , 3471-3479	4.3	94
95	Fluorescent sensor of imidazole and histidine. <i>Chemical Communications</i> , <b>1997</b> , 581-582	5.8	93
94	Metal-containing trifurcate receptor that recognizes and senses citrate in water. <i>Organic Letters</i> , <b>2005</b> , 7, 2603-6	6.2	88
93	A fluorescent cage for anion sensing in aqueous solution. <i>Chemical Communications</i> , <b>1998</b> , 971-972	5.8	86
92	Triton X-100 for three-plasmon gold nanostars with two photothermally active NIR (near IR) and SWIR (short-wavelength IR) channels. <i>Chemical Communications</i> , <b>2013</b> , 49, 6265-7	5.8	85
91	Silver nanoparticles synthesized and coated with pectin: An ideal compromise for anti-bacterial and anti-biofilm action combined with wound-healing properties. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 498, 271-281	9.3	82
90	Fluorescence sensing of ionic analytes in water: from transition metal ions to vitamin B13. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 94-101	4.8	76
89	A sleeping host awoken by its guest: recognition and sensing of imidazole-containing molecules based on double Cu <sup>2+</sup> translocation inside a polyaza macrocycle. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 5073-7	16.4	74
88	Synthesis of branched Au nanoparticles with tunable near-infrared LSPR using a zwitterionic surfactant. <i>Chemical Communications</i> , <b>2011</b> , 47, 1315-7	5.8	72
87	Controlled synthesis of gold nanostars by using a zwitterionic surfactant. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 9381-90	4.8	69
86	Bulk Surfaces Coated with Triangular Silver Nanoplates: Antibacterial Action Based on Silver Release and Photo-Thermal Effect. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	65
85	Thermal and Chemical Stability of Thiol Bonding on Gold Nanostars. <i>Langmuir</i> , <b>2015</b> , 31, 8081-91	4	63
84	Fluorescent detection of glutamate with a dicopper(II) polyamine cage. <i>Tetrahedron</i> , <b>2004</b> , 60, 11159-11162	4.2	59
83	Signal amplification by a fluorescent indicator of a pH-driven intramolecular translocation of a copper(II) ion. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 2553-6	16.4	59
82	A 3D network of helicates fully assembled by pi-stacking interactions. <i>Chemical Communications</i> , <b>2003</b> , 1840-1	5.8	56
81	Transition-metal-based Chemosensing Ensembles: ATP Sensing in Physiological Conditions. <i>Supramolecular Chemistry</i> , <b>2003</b> , 15, 617-625	1.8	49
80	A Versatile Fluorescent System for Sensing of H <sup>+</sup> , Transition Metals, and Aromatic Carboxylates. <i>European Journal of Inorganic Chemistry</i> , <b>1999</b> , 1999, 35-39	2.3	48

79	Anion recognition by a dicopper (II) cryptate. <i>Inorganica Chimica Acta</i> , <b>1995</b> , 238, 5-8	2.7	48
78	pH-Controlled translocation of Ni(II) within a ditopic receptor bearing an appended anthracene fragment: a mechanical switch of fluorescence. <i>Dalton Transactions RSC</i> , <b>2000</b> , 185-189		47
77	Seed mediated growth of silver nanoplates on glass: exploiting the bimodal antibacterial effect by near IR photo-thermal action and Ag <sup>+</sup> release. <i>RSC Advances</i> , <b>2016</b> , 6, 70414-70423	3.7	46
76	The Molecular Design of Fluorescent Sensors for Ionic Analytes. <i>Journal of Fluorescence</i> , <b>1998</b> , 8, 263-271	1.4	45
75	A Zinc(II)-Driven Intramolecular Photoinduced Electron Transfer. <i>Inorganic Chemistry</i> , <b>1996</b> , 35, 1733-1736	3.1	43
74	A chiral probe for the detection of Cu(II) by UV, CD and emission spectroscopies. <i>Dalton Transactions</i> , <b>2007</b> , 1588-92	4.3	42
73	Linear recognition of dicarboxylates by ditopic macrocyclic complexes. <i>New Journal of Chemistry</i> , <b>2007</b> , 31, 352	3.6	40
72	Self-Assembled Monolayers of Silver Nanoparticles: From Intrinsic to Switchable Inorganic Antibacterial Surfaces. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 4846-4855	2.3	39
71	Structurally-variable, rigid and optically-active D2 and D3 macrocycles possessing recognition properties towards C60. <i>Organic and Biomolecular Chemistry</i> , <b>2010</b> , 8, 1640-9	3.9	38
70	Fluorescent molecular sensing of amino acids bearing an aromatic residue. <i>Perkin Transactions II RSC</i> , <b>2001</b> , 2108-2113		38
69	Chitosan/Glycosaminoglycan Scaffolds: The Role of Silver Nanoparticles to Control Microbial Infections in Wound Healing. <i>Polymers</i> , <b>2019</b> , 11,	4.5	37
68	Monolayers of polyethylenimine on flat glass: a versatile platform for cations coordination and nanoparticles grafting in the preparation of antibacterial surfaces. <i>Dalton Transactions</i> , <b>2012</b> , 41, 2456-63	4.3	37
67	Monitoring the redox-driven assembly/disassembly of a dicopper(I) helicate with an auxiliary fluorescent probe. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 1632-6	5.1	37
66	Molecular recognition of the imidazole residue by a dicopper(II) complex with a bisdien macrocycle bearing two pendant arms. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 2439		37
65	On-off-on fluorescent indicators of pH windows based on three separated components. <i>Chemical Communications</i> , <b>2002</b> , 2452-3	5.8	36
64	Crystal and molecular structure and solution behaviour of low-spin (3-methyl-1,3,5,8,12-pentaazacyclotetradecane)N1,N5,N8,N12nickel(II) diperchlorate. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1991</b> , 3263-3269		36
63	Prussian Blue Nanoparticles as a Versatile Photothermal Tool. <i>Molecules</i> , <b>2018</b> , 23,	4.8	34
62	Coordination chemistry of surface-grafted ligands for antibacterial materials. <i>Coordination Chemistry Reviews</i> , <b>2014</b> , 275, 37-53	23.2	34

61	Monolayers of gold nanostars with two near-IR LSPRs capable of additive photothermal response. <i>Chemical Communications</i> , <b>2015</b> , 51, 12928-30	5.8	32
60	Sulfonamide-imines as selective fluorescent chemosensors for the fluoride anion. <i>Organic and Biomolecular Chemistry</i> , <b>2010</b> , 8, 357-62	3.9	32
59	Modular approach for bimodal antibacterial surfaces combining photo-switchable activity and sustained biocidal release. <i>Scientific Reports</i> , <b>2017</b> , 7, 5259	4.9	30
58	Molecular rearrangements controlled by pH-driven Cu <sup>2+</sup> motions. <i>Dalton Transactions RSC</i> , <b>2001</b> , 3528-3533		25
57	In situ seed-growth synthesis of silver nanoplates on glass for the detection of food contaminants by surface enhanced Raman scattering. <i>Talanta</i> , <b>2020</b> , 216, 120936	6.2	24
56	Coordinative control of photoinduced electron transfer: bulky carboxylates as molecular curtains. <i>Chemical Communications</i> , <b>2002</b> , 1348-1349	5.8	24
55	Fabrication of photothermally active poly(vinyl alcohol) films with gold nanostars for antibacterial applications. <i>Beilstein Journal of Nanotechnology</i> , <b>2018</b> , 9, 2040-2048	3	23
54	Single and double pH-driven Cu <sup>2+</sup> translocation with molecular rearrangement in alkyne-functionalized polyamino polyamido ligands. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 5535-46	4.8	23
53	A Chemosensing Ensemble for Selective Carbonate Detection in Water Based on Metal-Ligand Interactions. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 3156-3159	3.6	22
52	Nickel(III)-promoted deprotonation of an amide group of cyclam. Characterization of the violet transient through stopped-flow spectrophotometric techniques and determination of the pK <sub>A</sub> value. <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 134-139	5.1	22
51	The influence of the boat-to-chair conversion on the demetallation of the nickel(II) complex of an open-chain tetramine containing a piperazine fragment. <i>Dalton Transactions</i> , <b>2004</b> , 653-8	4.3	21
50	A structurally characterized azide-bridged dinuclear nickel (II) cryptate. <i>Inorganica Chimica Acta</i> , <b>1996</b> , 244, 7-9	2.7	21
49	A monolayer of a Cu <sup>2+</sup> -tetraazamacrocyclic complex on glass as the adhesive layer for silver nanoparticles grafting, in the preparation of surface-active antibacterial materials. <i>New Journal of Chemistry</i> , <b>2011</b> , 35, 1198	3.6	19
48	Mixing thiols on the surface of silver nanoparticles: preserving antibacterial properties while introducing SERS activity. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	18
47	A Sleeping Host Awakened by Its Guest: Recognition and Sensing of Imidazole-Containing Molecules Based on Double Cu <sup>2+</sup> Translocation inside a Polyaza Macrocycle. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 5183-5187	3.6	18
46	Robust, reproducible, recyclable SERS substrates: monolayers of gold nanostars grafted on glass and coated with a thin silica layer. <i>Nanotechnology</i> , <b>2019</b> , 30, 025302	3.4	18
45	Gold nanostar-polymer hybrids for siRNA delivery: Polymer design towards colloidal stability and in vitro studies on breast cancer cells. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 519, 113-124	6.5	17
44	High Stability Thiol-Coated Gold Nanostars Monolayers with Photo-Thermal Antibacterial Activity and Wettability Control. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	17

43	Coordination chemistry for antibacterial materials: a monolayer of a Cu(2+) 2,2'Sbipyridine complex grafted on a glass surface. <i>Dalton Transactions</i> , <b>2013</b> , 42, 4552-60	4.3	17
42	Does a reinforced kinetic macrocyclic effect exist? the demetallation in strong acid of copper(II) Complexes with open and cyclic tetramines containing a piperazine fragment. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 3209-16	4.8	16
41	A naked eye aggregation assay for Pb <sup>2+</sup> detection based on glutathione-coated gold nanostars. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	15
40	Novel DFO-SAM on mesoporous silica for iron sensing. Part I. Synthesis optimization and characterization of the material. <i>Analyst, The</i> , <b>2014</b> , 139, 3932-9	5	15
39	Molekulare Erkennung von Carboxylat-Ionen durch Metall-Ligand-Wechselwirkung und Nachweis durch Fluoreszenzlöschung. <i>Angewandte Chemie</i> , <b>1996</b> , 108, 224-227	3.6	15
38	Photothermally active nanoparticles as a promising tool for eliminating bacteria and biofilms. <i>Beilstein Journal of Nanotechnology</i> , <b>2020</b> , 11, 1134-1146	3	15
37	Gold nanostars coated with neutral and charged polyethylene glycols: A comparative study of in-vitro biocompatibility and of their interaction with SH-SY5Y neuroblastoma cells. <i>Journal of Inorganic Biochemistry</i> , <b>2015</b> , 151, 123-31	4.2	14
36	Tunable coating of gold nanostars: tailoring robust SERS labels for cell imaging. <i>Nanotechnology</i> , <b>2016</b> , 27, 265302	3.4	14
35	Self-assembled monolayers of Prussian blue nanoparticles with photothermal effect. <i>Supramolecular Chemistry</i> , <b>2017</b> , 29, 823-833	1.8	14
34	Optical method for predicting the composition of self-assembled monolayers of mixed thiols on surfaces coated with silver nanoparticles. <i>Langmuir</i> , <b>2012</b> , 28, 3558-68	4	14
33	A Loose Cage for Transition Metals. <i>Inorganic Chemistry</i> , <b>1997</b> , 36, 1998-2003	5.1	14
32	Novel photo-thermally active polyvinyl alcohol-Prussian blue nanoparticles hydrogel films capable of eradicating bacteria and mitigating biofilms. <i>Nanotechnology</i> , <b>2019</b> , 30, 295702	3.4	13
31	Self-Assembled Monolayers of Copper Sulfide Nanoparticles on Glass as Antibacterial Coatings. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	13
30	Synthesis of reduced-size gold nanostars and internalization in SH-SY5Y cells. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 505, 1055-1064	9.3	13
29	Fast dissolution of silver nanoparticles at physiological pH. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 563, 177-188	9.3	13
28	Tailored coating of gold nanostars: rational approach to prototype of theranostic device based on SERS and photothermal effects at ultralow irradiance. <i>Nanotechnology</i> , <b>2018</b> , 29, 235301	3.4	11
27	Molecular Devices Based on Metalloclam Subunits. <i>Advances in Inorganic Chemistry</i> , <b>2006</b> , 59, 81-107	2.1	11
26	Fluorescent Sensors for and with Transition Metals. <i>Perspectives in Supramolecular Chemistry</i> , 93-134		11

25	Gold nanostars co-coated with the Cu(II) complex of a tetraazamacrocyclic ligand. <i>Dalton Transactions</i> , <b>2015</b> , 44, 5652-61	4.3	10
24	Signal Amplification by a Fluorescent Indicator of a pH-Driven Intramolecular Translocation of a Copper(II) Ion. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 2665-2668	3.6	10
23	Intra-molecular Electronic Energy Transfer in Mono- and Di-nuclear Zinc(II) Supramolecular Complexes. <i>Supramolecular Chemistry</i> , <b>2002</b> , 14, 127-132	1.8	10
22	High Bactericidal Self-Assembled Nano-Monolayer of Silver Sulfadiazine on Hydroxylated Material Surfaces. <i>Materials</i> , <b>2019</b> , 12,	3.5	9
21	Zinc(II) driven intra-molecular electronic energy transfer in a supramolecular assembly held by coordinative interactions. <i>Chemical Communications</i> , <b>2001</b> , 825-826	5.8	9
20	pH-Driven Cu <sup>2+</sup> Translocation in Ferrocene-Containing Ligands. <i>European Journal of Inorganic Chemistry</i> , <b>2006</b> , 2006, 4649-4657	2.3	8
19	Photothermally Responsive Inks for Inkjet-Printing Secure Information. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1800095	3.1	7
18	The pH controlled uptake/release of citrate by a tri-copper(II) complex. <i>New Journal of Chemistry</i> , <b>2008</b> , 32, 1839	3.6	7
17	Supramolecular assemblies containing metallocyclam subunits. <i>Supramolecular Chemistry</i> , <b>1996</b> , 6, 239-250		7
16	Harvesting Light To Produce Heat: Photothermal Nanoparticles for Technological Applications and Biomedical Devices. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 15361-15374	4.8	7
15	An Anthracene Based Photoswitchable Dioxo-Tetraaza Ligand Selective for Cu(I) and Capable of Photochemical pKa Modulation. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 1212-1218	2.3	5
14	A bistren cryptand with a remote thioether function: Cu(II) complexation in solution and on the surface of gold nanostars. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 5722-5730	3.6	5
13	SERS Activity of Silver Nanoparticles Functionalized with A Desferrioxamine B Derived Ligand for Fe(III) Binding and Sensing. <i>Journal of Applied Spectroscopy</i> , <b>2016</b> , 82, 1052-1059	0.7	4
12	Stable and scalable SERS tags conjugated with neutravidin for the detection of fibroblast activation protein (FAP) in primary fibroblasts. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	4
11	PVA Films with Mixed Silver Nanoparticles and Gold Nanostars for Intrinsic and Photothermal Antibacterial Action. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
10	Suitable Polymeric Coatings to Avoid Localized Surface Plasmon Resonance Hybridization in Printed Patterns of Photothermally Responsive Gold Nanoinks. <i>Molecules</i> , <b>2020</b> , 25,	4.8	3
9	Increased Antibacterial and Antibiofilm Properties of Silver Nanoparticles Using Silver Fluoride as Precursor. <i>Molecules</i> , <b>2020</b> , 25,	4.8	3
8	Surface Minimal Bactericidal Concentration: A comparative study of active glasses functionalized with different-sized silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 204, 111800	6	3

7	Gold Nanostars Embedded in PDMS Films: A Photothermal Material for Antibacterial Applications.. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
6	Grafted monolayers of the neutral Cu(II) complex of a dioxo-2,3,2 ligand: surfaces with decreased antibacterial action. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 7595-7598	3.6	1
5	Chemical and Physical Characterisation of Macroaggregated Human Serum Albumin: Strength and Specificity of Bonds with Tc and Ga.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	1
4	Prussian Blue and Its Analogs as Novel Nanostructured Antibacterial Materials. <i>Applied Nano</i> , <b>2021</b> , 2, 85-97	1	1
3	Host-Guest and Cage-Type Systems 462-500		0
2	Anion Sensing by Fluorescence Quenching or Revival <b>2011</b> , 521-552		
1	A yellow transient forms in the decomposition in acidic solution of the blue-violet nickel(II) complex of a trifurcated hexamine. <i>Dalton Transactions</i> , <b>2005</b> , 2672-4	4.3	