Andrea Pappalardo

List of Publications by Year
in descending order

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63 papers	1,603 citations	218592 26 h-index	345118 36 g-index
65 all docs	65 docs citations	65 times ranked	1551 citing authors

#	Article	IF	Citations
1	Counterionâ€Dependent Protonâ€Driven Selfâ€Assembly of Linear Supramolecular Oligomers Based on Aminoâ€Calix[5]arene Building Blocks. Chemistry - A European Journal, 2007, 13, 8164-8173.	1.7	84
2	A Calix[5]arene-Based Heterotetratopic Host for Molecular Recognition of Long-Chain, Ion-Paired Î±,Ï‰-Alkanediyldiammonium Salts. Angewandte Chemie - International Edition, 2005, 44, 4892-4896.	7.2	66
3	Anionâ€Assisted Supramolecular Polymerization: From Achiral ABâ€Type Monomers to Chiral Assemblies. Angewandte Chemie - International Edition, 2011, 50, 11956-11961.	7.2	60
4	Self-Assembly Dynamics of Modular Homoditopic Bis-calix[5]arenes and Long-Chain Î±,Ï‰-Alkanediyldiammonium Components. Journal of Organic Chemistry, 2008, 73, 7280-7289.	1.7	57
5	Applications of supramolecular capsules derived from resorcin[4]arenes, calix[n]arenes and metallo-ligands: from biology to catalysis. RSC Advances, 2015, 5, 51919-51933.	1.7	50
6	A ratiometric naphthalimide sensor for live cell imaging of copper(i). Chemical Communications, 2013, 49, 5565.	2.2	46
7	Novel Chiral (Salen)MnIII Complexes Containing a Calix[4]arene Unit as Catalysts for Enantioselective Epoxidation Reactions of (Z)-Aryl Alkenes. European Journal of Organic Chemistry, 2005, 2005, 3562-3570.	1.2	45
8	Catalysis with carbon nanoparticles. RSC Advances, 2019, 9, 27659-27664.	1.7	44
9	Heteroditopic Chiral Uranylâ€“Salen Receptor for Molecular Recognition of Amino Acid Ammonium Salts. European Journal of Organic Chemistry, 2010, 2010, 3806-3810.	1.2	41
10	Threading the Calix[5]arene Annulus. Chemistry - A European Journal, 2010, 16, 2381-2385.	1.7	40
11	Functionalized Carbon Nanoparticle-Based Sensors for Chemical Warfare Agents. ACS Applied Nano Materials, 2020, 3, 8182-8191.	2.4	40
12	Enantioselective Molecular Recognition of Chiral Organic Ammonium Ions and Amino Acids Using Cavitandâ€“Salenâ€Based Receptors. European Journal of Organic Chemistry, 2011, 2011, 5674-5680.	1.2	37
13	Recognition of Achiral and Chiral Ammonium Salts by Neutral Ditopic Receptors Based on Chiral Salen-UO₂ Macrocycles. Journal of Organic Chemistry, 2010, 75, 1437-1443.	1.7	35
14	Pair of Diastereomeric Uranyl Salen Cavitands Displaying Opposite Enantiodiscrimination of Î±-Amino Acid Ammonium Salts. Journal of Organic Chemistry, 2012, 77, 7684-7687.	1.7	35
15	(Salen)Mn(III) Catalyzed Asymmetric Epoxidation Reactions by Hydrogen Peroxide in Water: A Green Protocol. International Journal of Molecular Sciences, 2016, 17, 1112.	1.8	34
16	Synthesis and conformational aspects of 20- and 40-membered macrocyclic mono and dinuclear uranyl complexes incorporating salen and (R)-BINOL units. Tetrahedron, 2007, 63, 9751-9757.	1.0	32
17	Optical Recognition of n-Butylammonium and 1,5-Pentanediammonium Picrates by a Calix[5]arene Monolayer Covalently Assembled on Silica Substrates. Chemistry of Materials, 2010, 22, 2829-2834.	3.2	32
18	Multitopic Supramolecular Detection of Chemical Warfare Agents by Fluorescent Sensors. ACS Omega, 2019, 4, 7550-7555.	1.6	31

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19	An integrated X-ray and molecular dynamics study of uranyl-salen structures and properties. Dalton Transactions, 2012, 41, 1951-1960.	1.6	29
20	Supramolecular Polymer Networks Based on Calix[5]arene Tethered Poly(p-phenyleneethynylene). Macromolecules, 2012, 45, 7549-7556.	2.2	29
21	Mono- and dinuclear uranyl(VI) complexes with chiral Schiff base ligand. Inorganica Chimica Acta, 2013, 396, 25-29.	1.2	29
22	Supramolecular complexes for nanomedicine. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3290-3301.	1.0	29
23	Covalently functionalized carbon nanoparticles with a chiral Mn-Salen: a new nanocatalyst for enantioselective epoxidation of alkenes. Chemical Communications, 2019, 55, 5255-5258.	2.2	29
24	Olefin epoxidation by a (salen)Mn(iii) catalyst covalently grafted on glass beads. Catalysis Science and Technology, 2015, 5, 673-679.	2.1	28
25	Chiral Znâ€“salen complexes: a new class of fluorescent receptors for enantiodiscrimination of chiral amines. New Journal of Chemistry, 2017, 41, 911-915.	1.4	28
26	Supramolecular recognition of a CWA simulant by metalâ€“salen complexes: the first multi-topic approach. Chemical Communications, 2018, 54, 11156-11159.	2.2	28
27	Sequence, Stoichiometry, and Dimensionality Control in Porphyrin/Bis-calix[4]arene Self-Assemblies in Aqueous Solution. Chemistry - A European Journal, 2010, 16, 10439-10446.	1.7	27
28	Lower rim arylation of calix[n]arenes with extended perfluorinated domains. Tetrahedron Letters, 2006, 47, 9049-9052.	0.7	26
29	A surface-confined Oî€MnV(salen) oxene catalyst and high turnover values in asymmetric epoxidation of unfunctionalized olefins. Journal of Materials Chemistry, 2012, 22, 20561.	6.7	26
30	Catalysis inside Supramolecular Capsules: Recent Developments. Catalysts, 2019, 9, 630.	1.6	26
31	Nerve Gas Simulant Sensing by a Uranylâ€“Salen Monolayer Covalently Anchored on Quartz Substrates. Chemistry - A European Journal, 2017, 23, 1576-1583.	1.7	25
32	Supramolecular recognition of phosphocholine by an enzyme-like cavitand receptor. Chemical Communications, 2020, 56, 539-542.	2.2	25
33	Assembling of Supramolecular Capsules with Resorcin[4]arene and Calix[n]arene Building Blocks. Current Organic Chemistry, 2015, 19, 2281-2308.	0.9	24
34	Hierarchically controlled protonation/aggregation of a porphyrinâ€“spermine derivative. New Journal of Chemistry, 2015, 39, 6722-6725.	1.4	22
35	Supramolecular Detection of a Nerve Agent Simulant by Fluorescent Znâ€“Salen Oligomer Receptors. Molecules, 2019, 24, 2160.	1.7	22
36	Catalytic Degradation of Nerve Agents. Catalysts, 2020, 10, 881.	1.6	22

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37	Sensing of linear alkylammonium ions by a 5-pyrenoylamido-calix[5]arene solution and monolayer using luminescence measurements. Journal of Materials Chemistry, 2012, 22, 675-683.	6.7	21
38	Enantioselective extraction mediated by a chiral cavitandâ€“salen covalently assembled on a porous silicon surface. Chemical Communications, 2014, 50, 4993-4996.	2.2	21
39	Self-Assembled Calixarene Derivative as a Supramolecular Polymer. Journal of Physical Chemistry B, 2012, 116, 5537-5541.	1.2	20
40	Novel chiral (salen)Mn(<scp>iii</scp>) complexes containing a calix[4]arene unit in 1,3-alternate conformation as catalysts for enantioselective epoxidation reactions of (Z)-aryl alkenes. Dalton Transactions, 2014, 43, 2183-2193.	1.6	20
41	A New Mnâ€“Salen Micellar Nanoreactor for Enantioselective Epoxidation of Alkenes in Water. Catalysts, 2018, 8, 129.	1.6	19
42	Binding of reactive organophosphate by oximes via hydrogen bond. Journal of Chemical Sciences, 2013, 125, 869-873.	0.7	17
43	Supramolecular Sensing of a Chemical Warfare Agents Simulant by Functionalized Carbon Nanoparticles. Molecules, 2020, 25, 5731.	1.7	17
44	Supramolecular Sensing of Chemical Warfare Agents. ChemPlusChem, 2021, 86, 681-695.	1.3	17
45	Covalent Functionalization of Silicon Surfaces with a Cavitand-Modified Salen. European Journal of Inorganic Chemistry, 2011, 2011, 2124-2131.	1.0	14
46	Fluorescence sensing by carbon nanoparticles. Nanoscale Advances, 2022, 4, 1926-1948.	2.2	14
47	Agile Detection of Chemical Warfare Agents by Machine Vision: a Supramolecular Approach. Chemistry - A European Journal, 2021, 27, 13715-13718.	1.7	12
48	Amino Surfaceâ€Functionalized Tris(calix[4]arene) Dendrons with Rigid C₃â€Symmetric Propeller Cores. European Journal of Organic Chemistry, 2011, 2011, 5696-5703.	1.2	11
49	The memory-driven orderâ€“disorder transition of a 3D-supramolecular architecture based on calix[5]arene and porphyrin derivatives. Chemical Communications, 2016, 52, 11681-11684.	2.2	11
50	Enantiomeric recognition of Î±-amino acid derivatives by chiral uranylâ€“salen receptors. Tetrahedron Letters, 2015, 56, 2922-2926.	0.7	10
51	Synthesis and photophysics of a fullerene-triquinoxaline ensemble. New Journal of Chemistry, 2010, 34, 2828.	1.4	8
52	Synthesis and topology of [2+2] calix[4]resorcarene-based chiral cavitand-salen macrocycles. Tetrahedron Letters, 2012, 53, 7150-7153.	0.7	7
53	Ring/Chain Morphology Control in Overallâ€Neutral, Internally Ionâ€Paired Supramolecular Polymers. Chemistry - A European Journal, 2018, 24, 1097-1103.	1.7	7
54	Recognition and optical sensing of amines by a quartz-bound 7-chloro-4-quinolylazopillar[5]arene monolayer. RSC Advances, 2018, 8, 33269-33275.	1.7	6

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55	Driving Coordination Polymer Monolayer Formation by Competitive Reactions at the Air/Water Interface. Langmuir, 2018, 34, 11706-11713.	1.6	6
56	Recognition of C₆₀ by tetra- and tri-quinoxaline cavitands. Supramolecular Chemistry, 2016, 28, 601-607.	1.5	5
57	Supramolecular polymer networks based on calix[5]arene chained poly(p-phenyleneethynylene) and C60 fulleropyrrolidine. Supramolecular Chemistry, 2016, 28, 485-492.	1.5	5
58	Light-up photoluminescence sensing of a nerve agent simulant by a bis-porphyrinâ€“salenâ€“UO₂ complex. RSC Advances, 2021, 11, 13047-13050.	1.7	5
59	A DFT study on the recognition of Î±-amino acid derivatives by chiral uranylâ€“salen. Computational and Theoretical Chemistry, 2015, 1068, 8-12.	1.1	4
60	Enantiomeric Recognition of Î±-Aminoacids by a Uranyl Salen-Bis-Porphyrin Complex. Frontiers in Chemistry, 2019, 7, 836.	1.8	4
61	Alkene Epoxidations Mediated by Mn-Salen Macrocyclic Catalysts. Catalysts, 2021, 11, 465.	1.6	3
62	A New Fluorescent Salen-uranyl Sensor for the Sub-ppm Detection of Chemical Warfare Agents. Current Organic Chemistry, 2020, 24, 2378-2382.	0.9	2
63	Supramolecular Assemblies for Photodynamic Therapy. Current Organic Chemistry, 2021, 25, 963-993.	0.9	1