Sebastiano Cataldo

List of Publications by Year
in descending order

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26 papers	1,182 citations	516710 16 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	2258 citing authors

#	Article	IF	Citations
1	Î²-Amyloid Monomers Are Neuroprotective. Journal of Neuroscience, 2009, 29, 10582-10587.	3.6	350
2	Carbon nanotubes and organic solar cells. Energy and Environmental Science, 2012, 5, 5919-5940.	30.8	158
3	Carnosine Inhibits AÎ²₄₂ Aggregation by Perturbing the Hâ€Bond Network in and around the Central Hydrophobic Cluster. ChemBioChem, 2013, 14, 583-592.	2.6	76
4	An insight into the functionalisation of carbon nanotubes by diazonium chemistry: Towards a controlled decoration. Carbon, 2014, 74, 73-82.	10.3	61
5	Organoboron Polymers for Photovoltaic Bulk Heterojunctions. Macromolecular Rapid Communications, 2010, 31, 1281-1286.	3.9	58
6	Self-Organization Pathways and Spatial Heterogeneity in Insulin Amyloid Fibril Formation. Journal of Physical Chemistry B, 2009, 113, 10830-10837.	2.6	54
7	Protective Effects of <scp>l</scp>- and <scp>d</scp>-Carnosine on Î±-Crystallin Amyloid Fibril Formation: Implications for Cataract Disease. Biochemistry, 2009, 48, 6522-6531.	2.5	52
8	Design and synthesis of new trehaloseâ€conjugated pentapeptides as inhibitors of AÎ²(1â€“42) fibrillogenesis and toxicity. Journal of Peptide Science, 2009, 15, 220-228.	1.4	43
9	SPM and TOF-SIMS investigation of the physical and chemical modification induced by tip writing of self-assembled monolayers. Materials Science and Engineering C, 2003, 23, 7-12.	7.3	42
10	Nonprecious Copperâ€Based Transparent Top Electrode via Seed Layerâ€“Assisted Thermal Evaporation for Highâ€Performance Semitransparent nâ€iâ€p Perovskite Solar Cells. Advanced Materials Technologies, 2019, 4, 1800688.	5.8	41
11	Polymeric Thin Films for Organic Electronics: Properties and Adaptive Structures. Materials, 2013, 6, 1159-1190.	2.9	34
12	Symmetric naphthalenediimidequaterthiophenes for electropolymerized electrochromic thin films. Journal of Materials Chemistry C, 2015, 3, 5985-5994.	5.5	27
13	Development of anti-permeation and corrosion barrier coatings for the WCLL breeding blanket of the European DEMO. Fusion Engineering and Design, 2021, 170, 112453.	1.9	26
14	Overview on Lead-Cooled Fast Reactor Design and Related Technologies Development in ENEA. Energies, 2021, 14, 5157.	3.1	25
15	Enhanced power-conversion efficiency in organic solar cells incorporating copolymeric phase-separation modulators. Journal of Materials Chemistry A, 2018, 6, 3884-3894.	10.3	22
16	Self-organization and nanostructural control in thin film heterojunctions. Nanoscale, 2014, 6, 3566-3575.	5.6	20
17	Thiophene pyrenyl derivatives for the supramolecular processability of single-walled carbon nanotubes in thin film heterojunction. Synthetic Metals, 2017, 229, 7-15.	3.9	14
18	Copper(ii) and zinc(ii) dependent effects on AÎ²42 aggregation: a CD, Th-T and SFM study. New Journal of Chemistry, 2013, 37, 1206.	2.8	13

#	Article	IF	Citations
19	Aqueous Processed Biopolymer Interfaces for Single-Cell Microarrays. ACS Biomaterials Science and Engineering, 2020, 6, 3174-3186.	5.2	13
20	SORGENTINA-RF project: fusion neutrons for ^{99}Mo medical radioisotope. European Physical Journal Plus, 2021, 136, 1.	2.6	13
21	Donorâ€“Acceptor Interfaces by Engineered Nanoparticles Assemblies for Enhanced Efficiency in Plastic Planar Heterojunction Solar Cells. Journal of Physical Chemistry C, 2016, 120, 26588-26599.	3.1	9
22	Fusion technologies development at ENEA Brasimone Research Centre: Status and perspectives. Fusion Engineering and Design, 2020, 160, 112008.	1.9	9
23	Multi-doped Brookite-Prevalent TiO2 Photocatalyst with Enhanced Activity in the Visible Light. Catalysis Letters, 2018, 148, 2459-2471.	2.6	8
24	(E)â€2â€Cyanoâ€3â€(5â€²â€piperidinâ€1â€ylâ€2,2â€²â€bithienâ€5â€yl)acrylic Acid: A Fluorescent Probe for Detecting Prefibrillar Oligomers. European Journal of Organic Chemistry, 2013, 2013, 3635-3639.	2.4	6
25	The zero field self-organization of cobalt/surfactant nanocomposite thin films. Nanotechnology, 2009, 20, 225605.	2.6	4
26	Pseudo-Planar Organic Heterojunctions by Sequential Printing of Quasi-Miscible Inks. Coatings, 2021, 11, 586.	2.6	4