

# Alessandro Giuffrida

## List of Publications by Year in descending order

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40  
papers

1,000  
citations

430442

18  
h-index

433756

31  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1103  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of charged single isomer derivatives of cyclodextrins in capillary electrophoresis for chiral analysis. <i>Journal of Chromatography A</i> , 2010, 1217, 953-967.	1.8	88
2	Determination of formal redox potentials in aqueous solution of copper(II) complexes with ligands having nitrogen and oxygen donor atoms and comparison with their EPR and UV-Vis spectral features. <i>Journal of Inorganic Biochemistry</i> , 2013, 128, 137-145.	1.5	75
3	Modified cyclodextrins for fast and sensitive chiral capillary electrophoresis-mass spectrometry. <i>Electrophoresis</i> , 2009, 30, 1734-1742.	1.3	69
4	Recent advances in chiral separation of amino acids using capillary electromigration techniques. <i>Journal of Chromatography A</i> , 2014, 1363, 41-50.	1.8	61
5	A re-investigation of copper coordination in the octa-repeats region of the prion protein. <i>Dalton Transactions</i> , 2005, , 150-158.	1.6	55
6	3-Amino derivative of $\beta$ -cyclodextrin: thermodynamics of copper(II) complexes and exploitation of its enantioselectivity in the separation of amino acid racemates by ligand exchange capillary electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 800, 127-133.	1.2	43
7	Ligand exchange chiral separations by cyclodextrin derivatives in capillary electrophoresis. <i>Analyst</i> , 2003, 128, 134-136.	1.7	37
8	The 6-derivative of $\beta$ -cyclodextrin with succinic acid: a new chiral selector for CD-EKC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 1009-1014.	1.4	32
9	Chiral analysis of amino acids from conventional and transgenic yeasts†. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 875, 243-247.	1.2	32
10	High selectivity in new chiral separations of dansyl amino acids by cyclodextrin derivatives in electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2007, 1155, 172-179.	1.8	30
11	Chiral capillary zone electrophoresis in enantioseparation and analysis of cinacalcet impurities: Use of Quality by Design principles in method development. <i>Journal of Chromatography A</i> , 2018, 1568, 205-213.	1.8	30
12	Coordination properties of 3-functionalized $\beta$ -cyclodextrins. Thermodynamic stereoselectivity of copper(ii) complexes of the A,B-diamino derivative and its exploitation in LECE. <i>Dalton Transactions</i> , 2005, , 2731.	1.6	28
13	Ligand exchange capillary electrophoresis by cyclodextrin derivatives, a powerful tool for enantiomeric separations. <i>Electrophoresis</i> , 2006, 27, 1471-1480.	1.3	28
14	Ac-LPFFD-Th: A Trehalose-Conjugated Peptidomimetic as a Strong Suppressor of Amyloid $\beta$ Oligomer Formation and Cytotoxicity. <i>ChemBioChem</i> , 2016, 17, 1541-1549.	1.3	28
15	Simple and mixed complexes of copper(II) with 8-hydroxyquinoline derivatives and amino acids: Characterization in solution and potential biological implications. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 89-100.	1.5	26
16	Chiral separation of amino acids derivatised with fluorescein isothiocyanate by single isomer derivatives 3-monodeoxy-3-monoamino- $\beta$ - and $\gamma$ -cyclodextrins: the effect of the cavity size. <i>Journal of Chromatography A</i> , 2012, 1269, 360-365.	1.8	23
17	Analytical quality by design in the development of a cyclodextrin-modified capillary electrophoresis method for the assay of metformin and its related substances. <i>Electrophoresis</i> , 2014, 35, 2538-2545.	1.3	22
18	Hemispherodextrins, a new class of cyclodextrin derivatives, in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2001, 916, 61-64.	1.8	18

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19	Mass spectrometry detection as an innovative and advantageous tool in ligand exchange capillary electrophoresis. <i>Electrophoresis</i> , 2011, 32, 1176-1181.	1.3	18
20	Anion Encapsulation Drives the Formation of Dimeric Gd <sup>III</sup> [15-metallacrown-5] <sup>3+</sup> Complexes in Aqueous Solution. <i>Inorganic Chemistry</i> , 2017, 56, 4771-4774.	1.9	18
21	Synthesis and characterisation of the 3-amino-derivative of $\beta$ -cyclodextrin, showing receptor ability and metal ion coordination properties. <i>Tetrahedron Letters</i> , 2008, 49, 4765-4767.	0.7	17
22	The 3-amino-derivative of $\beta$ -cyclodextrin as chiral selector of Dns-amino acids in electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 3678-3686.	1.8	17
23	Could 2,6-bis((E)-2-(furan-2-yl)vinyl)-1-methylpyridinium iodide and analog compounds intercalate DNA? A first principle prediction based on structural and electronic properties. <i>Computational and Theoretical Chemistry</i> , 2012, 985, 8-13.	1.1	17
24	Simultaneous separation of different enantiomeric pairs in capillary electrophoresis by mixing different hemispherodextrins, a very versatile class of receptors. <i>Journal of Chromatography A</i> , 2002, 979, 137-145.	1.8	16
25	The Contribution of Electrospray Mass Spectrometry to the Study of Metal Complexes: The Case of Copper(II) Dipeptide Systems. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2612-2620.	1.0	16
26	New cyclodextrin derivatives as chiral selectors in capillary electrophoresis. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 370, 363-366.	1.5	15
27	Diaminotrehalose capped $\beta$ -cyclodextrin, a new member of hemispherodextrins: Synthesis, thermodynamic and spectroscopic characterization and its exploitation in chiral electrokinetic chromatography. <i>Journal of Separation Science</i> , 2011, 34, 70-76.	1.3	15
28	Neuroprotective effects of the monoamine oxidase inhibitor tranylcypromine and its amide derivatives against Al <sup>2+</sup> (1 $\alpha$ )-induced toxicity. <i>European Journal of Pharmacology</i> , 2015, 764, 256-263.	1.7	14
29	Chiral separation of terbutaline and non-steroidal anti-inflammatory drugs by using a new lysine-bridged hemispherodextrin in capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 734-741.	1.4	14
30	Synthesis and NMR characterization of $\beta$ -alanine-bridged hemispherodextrin, a very efficient chiral selector in EKC. <i>Electrophoresis</i> , 2007, 28, 2580-2588.	1.3	13
31	The pivotal role of copper(II) in the enantio-recognition of tryptophan and histidine by gold nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 481-491.	1.9	12
32	Semax, an ACTH4-10 peptide analog with high affinity for copper(II) ion and protective ability against metal induced cell toxicity. <i>Journal of Inorganic Biochemistry</i> , 2015, 142, 39-46.	1.5	12
33	Coordination Properties of 3-Functionalised $\beta$ -Cyclodextrins: Thermodynamic Stereoselectivity of Copper(II) Complexes of the 3-Histamine Derivative and Its Exploitation in Ligand-Exchange Capillary Electrophoresis. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 377-383.	1.0	11
34	Separation and quantitation of metal ions by 4-(2-pyridylazo)resorcinol complexation in capillary electrophoresis-electrospray ionisation mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1179, 17-23.	1.8	10
35	Synthesis and characterization of new tyrosine capped anisotropic silver nanoparticles and their exploitation for the selective determination of iodide ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 128-136.	2.3	9
36	Optimisation methodology in the chiral and achiral separation in electrokinetic chromatography in the case of a multicomponent sample of dansyl amino acids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 85, 55-60.	1.4	8

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37	Exploring the intermolecular interactions acting in solvent-modified MEKC by Molecular Dynamics and NMR: The effect of n-butanol on the separation of diclofenac and its impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 249-257.	1.4	8
38	MV-Flow and LumiFlow: new Doppler tools for evaluating the microvasculature of the fetal head. <i>Radiologia Brasileira</i> , 2021, 54, 348-349.	0.3	7
39	Influence of the N-terminus acetylation of Semax, a synthetic analog of ACTH(4-10), on copper(II) and zinc(II) coordination and biological properties. <i>Journal of Inorganic Biochemistry</i> , 2016, 164, 59-69.	1.5	5
40	Preclinical evidence of enhanced analgesic activity of duloxetine complexed with succinyl- $\beta$ -cyclodextrin: A comparative study with cyclodextrin complexes. <i>International Journal of Pharmaceutics</i> , 2019, 566, 391-399.	2.6	3