

Publicazioni negli ultimi 5 anni (ORCID ID: [orcid.org/0000-0002-3874-7076](https://orcid.org/0000-0002-3874-7076))  
Publications over the last five years (ORCID ID: [orcid.org/0000-0002-3874-7076](https://orcid.org/0000-0002-3874-7076))

2019

Effect of reactant solvation on the stability of complexes of silver(I) with 18-crown-6 in ethanol-dimethyl sulfoxide mixtures

Irina A.Kuz'mina, Mariia A.Volkova, Kseniia I.Kuz'mina, Tatiana R.Usacheva, Valentin A.Sharnin, Giuseppe Arena

*Journal of Molecular Liquids* 276 (2019) 78–82

<https://doi.org/10.1016/j.molliq.2018.11.097>

Thermodynamic study on levulinic acid in NaCl, (C<sub>2</sub>H<sub>5</sub>)<sub>4</sub>NI and mixed MgCl<sub>2</sub>/NaCl and CaCl<sub>2</sub>/NaCl aqueous solutions at T = 298.15 K

Giuseppe Arena, Clemente Bretti, Giuseppa Ida Grasso, Gabriele Lando, Silvio Sammartano, Carmelo Sgarlata

*J. Chem. Thermodynamics* 139 (2019) 105870-105876

<https://doi.org/10.1016/j.jct.2019.07.012>

Zn<sup>2+</sup> Interaction with Amyloid-B: Affinity and Speciation

Giuseppe Arena, Enrico Rizzarelli

*Molecules* **2019**, 24, 2796 pp. 2795-2815

doi:10.3390/molecules24152796

Copper complexes of synthetic peptides mimicking neurotrophin-3 enhance neurite outgrowth and CREB phosphorylation

Irina Naletova, Giuseppa Ida Grasso, Cristina Satriano, Alessio Travaglia, Diego La Mendola, Giuseppe Arena and Enrico Rizzarelli

*Metallomics*, 2019, **11**, 1567-1578.

DOI: 10.1039/C9MT00045C

2018

Irina Naletova, Cristina Satriano, Alessandra Curci, Nicola Margiotta, Giovanni Natile, Giuseppe Arena, Diego La Mendola, Vincenzo Giuseppe Nicoletti and Enrico Rizzarelli

Cytotoxic phenanthroline derivatives alter metallostasis and redox homeostasis in neuroblastoma cells

*Oncotarget*, 2018, Vol. 9, (No. 91), pp: 36289-36316, <https://doi.org/10.18632/oncotarget.26346>

Carmelo Sgarlata, Giuseppe Arena, Raffaele P. Bonomo, Alessandro Giuffrida, Giovanni Tabbì

Simple and mixed complexes of copper(II) with 8-hydroxyquinoline derivatives and amino acids: Characterization in solution and potential biological implications

*J. Inorg. Biochem.* 180 (2018) 89–100. <https://doi.org/10.1016/j.jinorgbio.2017.12.002>

2017

Grasso GI, Bellia F, Arena G, Satriano C, Vecchio G, Rizzarelli E.

Multitarget trehalose-carnosine conjugates inhibit A $\beta$  aggregation, tune copper(II) activity and decrease acrolein toxicity

*Eur J Med Chem.* 2017 Jul 28;135:447-457. doi: 10.1016/j.ejmech.2017.04.060

Sgarlata, C.; Giuffrida, A.; Trivedi, E.R.; Pecoraro, V.L., Arena, G. "Anion Encapsulation Drives the Formation of Dimeric GdIII [15-metallacrown-5]<sup>3+</sup> Complexes in Aqueous Solution" *Inorg. Chem.* **2017**, *56*, 4771-4774

G. Arena, C. Sgarlata

Modern Calorimetry: An Invaluable Tool in Supramolecular Chemistry, In *Comprehensive Supramolecular Chemistry II*, Vol. 2, J. L. Atwood, G. W. Gokel, L. J. Barbour Eds., Elsevier, 2016, DOI: [10.1016/B978-0-12-409547-2.13716-3](https://doi.org/10.1016/B978-0-12-409547-2.13716-3)

Carmela Bonaccorso, Rossella Migliore, Mariia Volkova, Giuseppe Arena, Carmelo Sgarlata  
Self-assembling of supramolecular adducts by sulfonato-calix[4]arene and pyridinium gemini guests in neutral aqueous solution  
*Thermochimica Acta* 656 (2017) 47–52 [dx.doi.org/10.1016/j.tca.2017.08.009](https://doi.org/10.1016/j.tca.2017.08.009)

Carmelo Sgarlata; Jeffrey S. Mugridge; Michael D. Pluth; Valeria Zito; Giuseppe Arena; Kenneth Raymond  
Different and often opposing forces drive the encapsulation and multiple exterior binding of charged guests to a M<sub>4</sub>L<sub>6</sub> supramolecular vessel in water  
*Chemistry, A European Journal*, **2017**, DOI:10.1002/chem.201703202

2016

C. Sgarlata, G. Arena, C. G. Fortuna, D. Sciotto, C. Bonaccorso  
Cationic gemini guests promote the efficient self-assembly of capsular entities in water at neutral pH  
*Supramolecular Chemistry*, **2016**, *28*, 544–550; <http://dx.doi.org/10.1080/10610278.2015.1131986>

G. Arena, P. Gans, C. Sgarlata

HypCal, a general-purpose computer program for the determination of standard reaction enthalpy and binding constant values by means of calorimetry  
*Analytical Bioanalytical Chemistry*, **2016**, *408*, 6413–6422

V. Lanza, A. Travaglia, G. Malgieri, R. Fattorusso, G. Grasso, G. Di Natale, V. Zito, G. Arena, D. Milardi, E. Rizzarelli  
Ubiquitin Associates with the N-Terminal Domain of Nerve Growth Factor: The Role of Copper(II) Ions  
*Chemistry, A European Journal*, **2016**, *22*, 17767–17775; DOI: 10.1002/chem.201603650

2015

Giuseppe Arena, Andrea Pappalardo, Sebastiano Pappalardo, Giuseppe Gattuso, Anna Notti, Melchiorre F. Parisi, Ilenia Pisagatti, Carmelo Sgarlata  
Complexation of biologically active amines by a water-soluble calix[5]arene. A nanocalorimetric investigation  
*J Therm Anal Calorim*, 2015, Volume 121, [3](https://doi.org/10.1007/s10973-015-4522-3), 1073-1079; DOI 10.1007/s10973-015-4522-3