

## Angelo Gavezzotti

c.v. as of June 2018

Dipartimento di Chimica, University of Milano, via Venezian 21, 20133 Milano (Italy)  
e-mail: [angelo.gavezzotti@unimi.it](mailto:angelo.gavezzotti@unimi.it); website: [www.angelogavezzotti.it](http://www.angelogavezzotti.it)

1972-1982 Lecturer in Physical Chemistry, University of Milano  
1978-1980 Lecturer in Theoretical Chemistry, University of Sassari  
1983-1986 Associate Professor of Physical Chemistry, University of Milano  
1987-2010 Professor of Physical Chemistry, University of Milano  
2010- retired, Research guest, Department of Chemistry, University of Milano

Co-Editor, *Acta Crystallographica* (1988-1991); Director of the Department of Structural Chemistry, University of Milano (1997-1999); Member of the Editorial Board of *CrystEngComm*, Royal Society of Chemistry (2005-2008); Member of the Coordination Committee of the European Science Foundation Network on crystal polymorphism, 2001-2002; Fellow of the Royal Society of Chemistry, UK; Trueblood award for exceptional achievement in computational or chemical crystallography, The American Crystallographic Association, 2007; Visiting Professor at the University of Nancy (France), 2009; Mario Mammi Gold Medal, Italian Crystallographic Association, 2015.

The research field of A.G. is the theoretical investigation of intermolecular interactions in organic condensed matter. He has published force fields and methods for static and dynamic simulation, in well recognized and widely distributed computer software packages (OPEC, 1970-1990; Promet, 1990-2002; OPiX, 2000-2010; PIXEL, 2002-2011; CLP, 2011-2016; CLPdyn, 2018).

A.G. is the author of about 170 full papers in major refereed Journals, being usually the corresponding author and mostly the only author (for an average of 2.2 authors/paper). He is also author or co-author of many contributions in minor Journals and Conference Proceedings. For what it is worth, his current H-index is 53 for a total of 10700 citations. He has given about 130 invited Seminars, Lectures, Keynote Lectures, in Universities, International events and chemical Companies worldwide. After retirement, he is presently continuing his research activity by agreement with the Department of Chemistry of the University of Milano.

A.G. has also contributed to science dissemination and science communication with popular seminars and science supplements for Italian newspapers.

### Recent publications

Gavezzotti, A. The "sceptical chymist": intermolecular doubts and paradoxes, *CrystEngComm Highlight*, **2013**, 15, 4027-4035

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Duntiz, J.D.; Gavezzotti, A.; Rizzato, S. "Coulombic compression", a pervasive force in ionic solids. A study of anion stacking in croconate crystals, *Cryst. Growth Des.* **2014**, 14, 357-366

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Gavezzotti, A. Topics in structural chemistry through after dinner humor, *Isr. J. Chem.* **2017**, *57*, 13-23

Braga, D.; Grepioni, F.; Gavezzotti, A.; Bernstein, J. Re: Crystal engineering in the regulatory and patent literature of pharmaceutical forms, *Cryst. Growth Des.* **2017**, *17*, 933-939

Colombo, V. Lo Presti, L.; Gavezzotti, A. Two-component organic crystals without hydrogen bonding: structure and intermolecular interactions in bimolecular stacking , *CrystEngComm* **2017**, *19*, 2415-2423

Carlucci, L.; Gavezzotti, A. A quantitative measure of halogen bond activation in cocrystallization *Chem.Phys.Phys.Chem.* **2017**, *19*, 18383-18388

Gavezzotti, A. Bonding in organic molecules and condensed phases. The role of repulsions  
In *Intermolecular Interactions in Crystals: Fundamentals of Crystal Engineering*  
Edited by Juan J. Novoa, Royal Society of Chemistry, 2017.

Gavezzotti, A. Pillars of crystal engineering: crystal energies and symmetry operators  
*CrystEngComm* **2018**, *20*, 2511-2518

#### Books

Gavezzotti, A. *Molecular aggregation, Structure analysis and molecular simulation of crystals and liquids* Oxford University Press, Oxford 2007; 2nd Edition paperback, 2013

Gavezzotti, A. *An Introduction to Physical Chemistry, The structural approach*, Aracne Editrice, Roma 2008