

Scientific Curriculum of prof. Antonino Gulino

Antonino Gulino, PhD

Full Professor of General and Inorganic Chemistry

<http://www.dsc.unict.it/docenti/antonino.gulino>

Scientific-disciplinary sector: CHIM/03

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Recent Institutional Positions

-2021-do date Quality Assurance Board of the University of Catania

-2021 -2018 Member of the ASN Committee CHIM/03/B1.

-2018 to date, President of the Quality Assurance Committee of the Department of Chemical Sciences, UNICT.

-2018 ANVUR Board for the Accreditation of the University of Genoa.

-2015 to date, Member of REPRISE (register of scientific experts for the scientific evaluation of the Italian research).

-2015 Board for the assignment of the "UNA TANTUM" salary quota of the University of Catania.

-2014 to date, Responsible of the XPS instrument of the BRIT, UNICT.

-2013 to date, ANVUR Disciplinary expert.

2015-2013: Department of Chemical Sciences Coordinator of the MEDNETNA project, UNICT.

-2013-2009: Scientific Council Board of INSTM.

-2010 to date, Member of the board of the International PhD in Chemical Sciences, UNICT.

-1992 to date, Founder Member of the National Consortium for Materials Science and Technology (INSTM), Florence, Italy.



Scientific Activity

The scientific activity of Antonino Gulino is concerned within the fields of Chemistry of Materials and Nanoscience. In particular, he deals with functional materials, molecular architectures, self-assemblies, nanostructures, conductive oxides, electronic structures of inorganic compounds. His scientific activity is documented by about 150 publications in ISI journals (h-index 37, source: Web of Science; h-index 38, source: google scholar).

Active International Collaborations:

The Volcani Center, Bet-Dagan, Israel (Dr. E. Poverenov)

University of Oxford, Oxford, UK (Profs. R. G. Egdell; R. Jacobs)

Weizmann Institute of Science, Israel (Profs. M. van der Boom; B. Rybtchinski; H. Weissman)

University of Cambridge, UK (Prof. J. R. Nitschke)

Northwestern University, USA (Prof. P. Dutta)

University of Delhi, India (Prof. S. K. Awasthi)

South Asian University, India (Prof. R. D. Gupta)

Banaras Hindu University, India (Prof. L. Mishra)

Abroad for Scientific Activity

-April **2015** visiting professor, Trinity College, Oxford, UK.

-May **2014**; visiting professor, Weizmann Institute of Science, Rehovot, Israel.

-September **2009** Chair at the 5th Korea-Italy Inorganic Chemistry Symposium, Kyungju POSTECH, Pohang, South Korea.

-June - September **2008** visiting professor, Weizmann Institute of Science, Rehovot, Israel.

- May **2007** visiting professor, Weizmann Institute of Science, Rehovot, Israel.
- June - September **2007** visiting professor, Weizmann Institute of Science, Rehovot, Israel.
- March **2006** visiting professor, Weizmann Institute of Science, Rehovot, Israel.
- October **1993 - July 1994**, visiting professor, Inorganic Chemistry Laboratory, University of Oxford, England.

Foreign Professors hosted by Antonino Gulino at the DSC, UNICT

- 2014 Dr. Haim Weissmann, Weizmann Institute of Science.
- 2011 Prof. Milko van der Boom, Weizmann Institute of Science.
- 2009 Prof. Russell Egdell, University of Oxford.
- 2009 Dr. Haim Weissmann, Weizmann Institute of Science.
- 2007 Prof. Russell Egdell, University of Oxford.
- 2006 Prof. Milko van der Boom, Weizmann Institute of Science.

Direction of International Research Projects

- NATO Director of the SfP 981964 Science for Peace: Organic Optical and Electronic Sensors: Sniffing out Chemicals.

(https://www.weizmann.ac.il/conferences/nato07/new_pages/contacts.html)

Recent International Scientific Achievements

2019 to date, Editorial Board Member of Nanomaterials (MDPI)

<https://www.mdpi.com/journal/nanomaterials/editors>

2020 to date, Editorial Board Member of Inorganics (MDPI)

<https://www.mdpi.com/journal/inorganics/editors>

2021 to date, Editorial Board Member of Catalyst (MDPI)

<https://www.mdpi.com/journal/catalysts/editors>

2018 Cover, and Cover Profile on Eur. J. Inorg. Chem.

2018 Cover on JACS

2016 Cover, Hot Paper and Cover Profile on Chemistry, A Eur. J.

2014 Cover on Chem. Commun.

2014 Cover and Cover Profile on Eur. J. Inorg. Chem.

2014 Analytical and Bioanalytical Chemistry Top 10 most cited in 2013.

2013 Highlight on RSC Chemistry World.

2013 Highlight on Le Scienze

2013 Cover on Analytical Methods

2009 Flyer by Chem. Commun

2010 Highlight on Angew. Chem.

Recent International Committee for the Evaluation of Research Projects

- 2020 Expert Evaluator for the Academy of Sciences of the Czech Republic.
- 2020, 2016 International Referee for FWO, Belgium.
- 2015 Expert Evaluator for the Academy of Sciences of the Czech Republic.
- 2011 International Referee for the Austrian Science Fund (FWF)
- 2009 International Referee for the Binational Science Foundation (BSF).
- 2008 International Referee for the German - Israeli Foundation (G.I.F).

FIRB, PRIN and VQR Reviewer

Recent Participation to National and International Committees for Academic Promotions

- 2021, UNIPD Representative (Internal Member) for the Selection of an assistant professor position, 03/B1-CHIM/03, University of Padua.
- 2021, Selection Committee for an assistant professor position, 03/B1-CHIM/03, University of Messina.
- 2020, Selection Committee for an assistant professor position, 03/B1-CHIM/03, University of Padua.
- 2019, Selection Committee for an assistant professor position, 03/B1-CHIM/03, University of Palermo.
- 2019, Selection Committee for an associate professor position, 03/B1-CHIM/03, University of Catania.
- 2019, Selection Committee for an associate professor position, 03/B1-CHIM/03, University of Bologna.
- 2019, Selection Committee for an associate professor position, 03/B1-CHIM/03, University of Padua.
- 2018, Selection Committee for an assistant professor position, 03/B1-CHIM/03, University of Catania.
- 2017, Selection Committee for an associate professor position, 03/B1-CHIM/03, University of Padua.
- 2017, Selection Committee for a full professor position, 03 / B1 - CHIM / 03, University of Padua.
- 2009, Evaluator for the academic promotion of scientists at the Weizmann Institute of Science (WIS), Israel.

Recent Participation to National and International Committees for the PhD final Exams

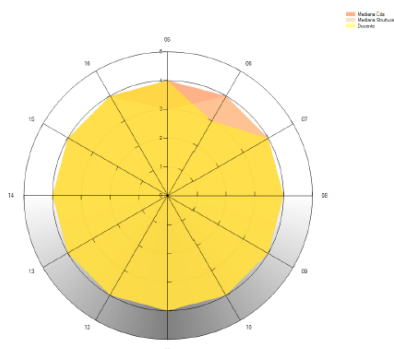
- 2021, 2020, 2017, 2016 Committees for the final exam for the PhD in Material Science and Nanotechnology, University of Catania.
- 2021 (PhD in Molecular Sciences), 2018 (PhD in Molecular Sciences), 2017 (PhD in Science and Engineering of Materials and Nanostructures) Committees for the final exam, University of Padua.
- 2021, 2020, 2016, Committees for the final PhD exam, Department of Chemistry, University of Delhi, and University of Allahabad, India.

Honor and Prizes

- 1994 CNR award for productivity during the research period carried out at the Inorganic Chemistry Laboratory, **University of Oxford**, UK, as visiting professor, position 204.3883 Prot. 134578.
- 1993 Scholarship granted by the CNR for scientific activity to be carried out abroad (October 1993 - July 1994) position 204.3883 Prot. 134578.
- 1990 Healthcare research grant awarded by the Region of Sicily (09 April 1992, prot. 3449).

Actual Teaching activity

- Inorganic Chemistry Complements (L-27, Industrial Chemistry)
- Chemistry (L-30, Physics).
- Advanced Inorganic Chemistry (LM54-SC)



Publication list of Antonino Gulino

149. R. Fiorenza, M. Bellardita, S. A. Balsamo, L. Spitaleri, **A. Gulino**, M. Condorelli, L. D'Urso, S. Sciré, L. Palmisano.
A Solar Photothermocatalytic approach for the CO₂ conversion: Investigation of different synergisms on CoO-CuO/Brookite TiO₂-CeO₂ catalysts.
Chemical Engineering Journal, **2022**, 428, 131249.
DOI: 10.1016/j.cej.2021.131249.
SCOPUS: 2-s2.0-85110264712
WOS:
148. **A. Gulino**, G. Papanikolaou, P. Lanzafame, S. Patanè, P. Primerano, L. Spitaleri, C. Triolo, S. Lo Schiavo
A straightforward synthetic approach to SiO₂@N-doped TiO₂ nanocomposite.
ChemistryOpen, **2021**, 10, 1033–10.
DOI: 10.1002/open.202100157.
SCOPUS:
WOS:
147. M. D. Pirnaci, L. Spitaleri, D. Tenaglia, F. Perricelli, M. E. Fragalà, C. Bongiorno, **A. Gulino**.
Systematic Characterization of Plasma-Etched Trenches on 4H-SiC Wafers
ACS Omega, **2021**, 6, 20667-20675.
DOI:10.1021/acsomega.1c02905
SCOPUS: 2-s2.0-85112529311
WOS:000685204100052
146. D. Scirè, R. Macaluso, M. Mosca, S. Mirabella, **A. Gulino**, O. Isabella, M. Zeman, I. Crupi
Characterization of the defect density states in MoO_x for c-Si solar cell applications
Solid State Electronics, **2021**, 185, 108135.
DOI:10.1016/j.sse.2021.108135
SCOPUS: 2-s2.0-85108252026
WOS:
- 136bis C. Han, L. Mazzarella, Y. Zhao, G. Yang, P. Procel, M. Tijssen, A. Montes, L. Spitaleri, **A. Gulino**, X. Zhang, O. Isabella, M. Zeman
Erratum: High-mobility Hydrogenated Fluorine-doped Indium Oxide Film for Passivating Contacts c-Si Solar Cells. (*ACS Appl. Mater. Interfaces*, **2019**, 11, 45586-45595).
ACS Appl. Mater. Interfaces, **2021**, 13, 12636-12636.

DOI: 10.1021/acsami.9b14709)
SCOPUS: 2-s2.0-85103228910
WOS:000630398500112

145. S. V. Giofrè, M. Tiecco, C. Celesti, S. Patanè, C. Triolo, **A. Gulino**, L. Spitaleri, S. Scalese, M. Scuderi, D. Iannazzo
Eco-Friendly 1,3-Dipolar Cycloaddition Reactions on Graphene Quantum Dots in Natural Deep Eutectic Solvent.
Nanomaterials, **2020**, 10, 2549.
DOI:10.3390/nano10122549
SCOPUS: 2-s2.0-85098134260
WOS: 000602543600001
144. N. Tuccitto, L. Spitaleri, G. Li Destri, A. Pappalardo, **A. Gulino**, G. Trusso Sfrassetto
Supramolecular Sensing of a Chemical Warfare Agents Simulant by Functionalized Carbon Nanoparticles.
Molecules, **2020**, 25, 5731.
DOI:10.3390/molecules25235731
SCOPUS: 2-s2.0-85097514904
WOS:000597915000001
143. L. Spitaleri, C. M. A. Gangemi, R. Purrello, G. Nicotra, G. Trusso Sfrassetto, G. Casella, M. Casarin, **A. Gulino**
Covalently Conjugated Gold–Porphyrin Nanostructures.
Nanomaterials, **2020**, 10, 1644.
DOI:10.3390/nano10091644
SCOPUS:2-s2.0-85090516917
WOS:000580098300001
142. D. Scirè, P. Procel, **A. Gulino**, O. Isabella, M. Zeman, I. Crupi
Sub-gap defect density characterization of molybdenum oxide: an annealing study for solar cell applications.
Nano Research, **2020**, 13(12), 3416–3424.
DOI:10.1007/s12274-020-3029-9
SCOPUS: 2-s2.0-85090199688
WOS:000565490500004
141. M. Bellardita, R. Fiorenza, L. D’Urso, L. Spitaleri, **A. Gulino**, G. Compagnini, S. Sciré, L. Palmisano.
Exploring the Photothermo-Catalytic Performance of Brookite TiO₂-CeO₂ Composites.
Catalyst, **2020**, 10, 765.
DOI:10.3390/catal10070765
SCOPUS: 2-s2.0-85087815227
WOS:000554300500001
140. M. Salmeri, G. Ognibene, L. Saitta, C. Lombardo, C. Genovese, M. Barcellona, A. D’Urso, L. Spitaleri, I. Blanco, G. Cicala, **A. Gulino**, M. E. Fragalà
Optimization of ZnO nanorods growth on Polyethersulfone electrospun mats to promote antibacterial properties.
Molecules, **2020**, 25, 1696.
DOI:10.3390/molecules25071696
SCOPUS: 2-s2.0-85083118254

WOS:000531833400221

139. R. Fiorenza, A. Di Mauro, **A. Gulino**, L. Spitaleri, V. Privitera, G. Impellizzeri
Molecularly imprinted N-doped TiO₂ photocatalysts for the selective degradation of o-phenylphenol fungicide from water.
Material Science in Semiconductor Process, **2020**, 112,105019.
DOI: 10.1016/j.mssp.2020.105019
SCOPUS:2-s2.0-85079696375
WOS:000520894200015
138. R. Fiorenza, L. Spitaleri, **A. Gulino**, S. Sciré
High-Performing Au-Ag bimetallic catalysts supported on macro-mesoporous CeO₂ for preferential oxidation of CO in H₂-rich gases.
Catalysts, **2020**, 10, 49.
DOI:10.3390/catal10010049
SCOPUS: 2-s2.0-85078314703
WOS:000516825000049
137. R. Fiorenza, A. Di Mauro; M. Cantarella; C. Iaria; E. M. Scalisi; M. V. Brundo; **A. Gulino**, L. Spitaleri; G. Nicotra; S. Dattilo, S. C. Carroccio, V. Privitera; G. Impellizzeri.
Preferential removal of pesticides from water by molecular imprinting on TiO₂ photocatalysts.
Chemical Engineering Journal, 379, **2020**, 122309.
DOI:10.1016/j.cej.2019.122309
SCOPUS: 2-s2.0-85069743673
WOS:000494799900071
136. C. Han, L. Mazzarella, Y. Zhao, G. Yang, P. Procel, M. Tijssen, A. Montes, L. Spitaleri, **A. Gulino**, X. Zhang, O. Isabella, M. Zeman
High-mobility Hydrogenated Fluorine-doped Indium Oxide Film for Passivating Contacts c-Si Solar Cells.
ACS Appl. Mater. Interfaces, **2019**, 11, 45586-45595.
DOI:10.1021/acsami.9b14709.
SCOPUS:2-s2.0-85075672133
WOS:000502689000022
135. C. M. A. Gangemi, M. Iudici, L. Spitaleri, R. Randazzo, M. Gaeta, A. D'Urso, **A. Gulino**, R. Purrello, M. E. Fragalà.
Polyethersulfone mats functionalized with porphyrin for adsorptive removal of p-NA from aqueous solution.
Molecules, **2019**, 24, 3344.
DOI:10.3390/molecules24183344
SCOPUS: 2-s2.0-85072283755
WOS:000488830500136
134. L. Spitaleri, G. Nicotra, M. Zimbone, A. Contino, G. Maccarrone, A. Alberti, **A. Gulino**
Fast and Efficient Sun Light Photocatalytic activity of Au_ZnO Core-Shell Nanoparticles Prepared by a One Pot Synthesis.
ACS Omega, **2019**, 4, 15061–15066.
DOI: 10.1021/acsomega.9b01850
SCOPUS: 2-s2.0-85072962882
WOS:000488838700043

133. R. Puglisi, P. G. Mineo, A. Pappalardo, **A. Gulino**, G. Trusso Sfrassetto
Supramolecular Detection of a Nerve Agent Simulant by Fluorescent Zn-Salen Oligomer Receptors.
Molecules, **2019**, 24, 2160-2172.
DOI:10.3390/molecules24112160
SCOPUS: 2-s2.0-85067226379
WOS:000472631000133
132. R. Puglisi, A. Pappalardo, **A. Gulino**, G. Trusso Sfrassetto.
Multi-Topic Supramolecular Detection of Chemical Warfare Agents by Fluorescent Sensors.
ACS Omega, **2019**, 4, 7550–7555.
DOI:10.1021/acsomega.9b00502
SCOPUS: 2-s2.0-85065317024
WOS: 000466552500158
131. G. Ognibene, C. M. A. Gangemi, L. Spitaleri, **A. Gulino**, G. Cicala, R. Purrello, M. E. Fragalà
Role of the Surface Composition of the PES-TiIP-H₂T₄ Fibers on Lead Removal: from Electrostatic to Coordinative Binding.
Journal of Materials Science, **2019**, 54, 8023–8033.
DOI: 10.1007/s10853-019-03442-7.
SCOPUS: 2-s2.0-85061998396
WOS: 000460069500050
130. M. Zimbone, G. Cacciato, M. Boutinguiza, **A. Gulino**, M. Cantarella, V. Privitera, M. G. Grimaldi.
Hydrogenated black-TiO_x: a Facile and Scalable Synthesis for Environmental Water Purification.
Catalysis Today, **2019**, 321-322, 146-157.
DOI: 10.1016/j.cattod.2018.03.040
SCOPUS: 2-s2.0-85045085255
WOS:000451030700021
129. I. Pisagatti, G. Gattuso, A. Notti, M. F. Parisi, G. Brancatelli, S. Geremia, F. Greco, S. Millesi, A. Pappalardo, L. Spitaleri, **A. Gulino**.
Recognition and optical sensing of amines by a quartz-bound 7-chloro-4-quinolylazopillar[5]arene monolayer.
RSC Adv., **2018**, 8, 33269-33275.
DOI: 10.1039/c8ra06792a
SCOPUS: 2-s2.0-85054807282
WOS: 000448422800032
128. M. Zimbone, G. Cacciato, L. Spitaleri, R. G. Egdell, M. G. Grimaldi, **A. Gulino**,
Sb-Doped Titanium Oxide: A Rationale for Its Photocatalytic Activity for Environmental Remediation.
ACS Omega, **2018**, 3, 11270-11277.
DOI: 10.1021/acsomega.8b01452
SCOPUS: 2-s2.0-85053690098
WOS: 000446186000090
127. M. Cantarella, A. Di Mauro, **A. Gulino**, L. Spitaleri, V. Privitera, G. Impellizzeri

Selective photodegradation of paracetamol by molecularly imprinted ZnO nanonuts.
Applied Catalysis B: environmental, **2018**, 238, 509-517.
DOI: 10.1016/j.apcatb.2018.07.055
SCOPUS: 2-s2.0-85050409667
WOS: 000443666000052

126. R. Puglisi, A. Pappalardo, **A. Gulino**, G. Trusso Sfrazzetto
Supramolecular recognition of CWAs simulant by metal-salen complexes: the first multi-
topic approach.
Chem. Commun., **2018**, 54, 11156 – 11159.
DOI: 10.1039/C8CC06425C
SCOPUS: 2-s2.0-85054066801
WOS: 000446095100020
- 125ter. A. Contino, G. Maccarrone, L. Spitaleri, L. Torrisi, G. Nicotra, **A. Gulino**.
One Pot Synthesis of Au_ ZnO Core-Shell Nanoparticles Using a Zn Complex Acting as
ZnO Precursor, Capping and Reducing Agent During the Au NPs Formation.
Eur. J. Inorg. Chem. **2018**, 43, 4659.
COVER PROFILE
DOI:10.1002/ejic.201801352
SCOPUS: 2-s2.0-85056329372
WOS:
- 125bis. A. Contino, G. Maccarrone, L. Spitaleri, L. Torrisi, G. Nicotra, **A. Gulino**.
One Pot Synthesis of Au_ ZnO Core-Shell Nanoparticles Using a Zn Complex Acting as
ZnO Precursor, Capping and Reducing Agent During the Au NPs Formation.
Eur. J. Inorg. Chem. **2018**, 43, 4658.
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DOI:10.1002/ejic.201801351
SCOPUS:
WOS:
125. A. Contino, G. Maccarrone, L. Spitaleri, L. Torrisi, G. Nicotra, **A. Gulino**.
One Pot Synthesis of Au_ ZnO Core-Shell Nanoparticles Using a Zn Complex Acting as
ZnO Precursor, Capping and Reducing Agent During the Au NPs Formation.
Eur. J. Inorg. Chem. **2018**, 43, 4678–4683.
DOI: 10.1002/ejic.201800863
SCOPUS: 2-s2.0-85054164834
WOS:000451155000002
124. H. Keisar, G. de Ruitter, A. H. Velders, P. Milko, **A. Gulino**, G. Evmenenko, L. J. W.
Shimon, Y. Diskin-Posner, M. Lahav, and M. E. van der Boom
Sorting of Molecular Building Blocks from Solution to Surface.
J. Am. Chem. Soc. **2018**, 140, 8162-8171. **PAPER and COVER**
DOI: 10.1021/jacs.8b02968
SCOPUS: 2-s2.0-85047404176
WOS: 000438309400021
123. R. Fiorenza, S. Sciré, **A. Gulino**, L. Spitaleri
Ru-Pd bimetallic catalysts supported on CeO₂-MnO_x oxides as efficient systems for H₂
purification through CO preferential oxidation.
Catalysts, **2018**, 8, 203.

DOI:10.3390/catal8050203
SCOPUS: 2-s2.0-85030452757
WOS: 000435191500032

122. A. Contino, G. Maccarrone, M. E. Fragalà, L. Spitaleri, **A. Gulino**
Conjugated Gold-Porphyrin Monolayers Assembled on Inorganic Surfaces.
Chem. Eur. J. **2017**, *23*, 14937 – 14943.
DOI: 10.1002/chem.201703523
SCOPUS: 2-s2.0-85030452757
WOS: 000413337400032
121. S. Wang, Y. Yu, R. Li, G. Feng, Z. Wu, G. Compagnini, **A. Gulino**, Z. Feng, A. Hu.
High-performance stacked in-plane supercapacitors and supercapacitor array fabricated by femtosecond laser 3D direct writing on flexible polyimide sheets.
Electrochimica Acta, **2017**, *241*, 153–161.
DOI: 10.1016/j.electacta.2017.04.138
SCOPUS: 2-s2.0-85018346820
WOS:000403026700015
120. S. Millesi, M. R. Catalano, G. Impellizzeri, I. Crupi, G. Malandrino, F. Priolo, **A. Gulino**
Sb-Implanted p-Type ZnO Ultra-Thin Films.
Materials Science in Semiconductor Processing, **2017**, *69*, 32-35.
DOI: 10.1016/j.mssp.2016.12.025
SCOPUS: 2-s2.0-85009471603
WOS:000407601600008
119. P. Mineo, A. Abbadessa, A. Mazzaglia, **A. Gulino**, V. Villari, N. Micali, S. Millesi, C. Satriano and E. Scamporrino.
Gold nanoparticles functionalized with PEGylate uncharged porphyrins.
Dyes and Pigments, **2017**, *141*, 225-234.
DOI:10.1016/j.dyepig.2017.02.018
SCOPUS: 2-s2.0-85013752135
WOS: 000399852700027
118. A. Di Mauro, M. Cantarella, G. Nicotra, G. Pellegrino, **A. Gulino**, M. V. Brundo, V. Privitera and G. Impellizzeri
Novel synthesis of ZnO/PMMA composites for photocatalytic applications.
Scientific Reports, **2017**, *7*:40895, 1-13.
DOI:10.1038/srep40895
SCOPUS: 2-s2.0-85010031133
WOS:000392189600001
117. A. K. Srivastava, A. K. Singh, N. Kumari, **A. Gulino**, A. Speghini, R. Nagarajan, L. Mishra
Pyridyl substituted 4-(1,3-Dioxo-1H,3H-benzo[de]isoquinolin-2-ylmethyl)-benzamides with aggregation enhanced emission and multi-stimuli-responsive properties.
J. Lumin. **2017**, *182*, 274-282.
DOI: 10.1016/j.jlumin.2016.10.042
SCOPUS: 2-s2.0-84995494149
WOS:000390510300041

116. G. Trusso Sfrassetto, S. Millesi, A. Pappalardo, G. Tomaselli, F. Ballistreri, M. R. Toscano, I. Fragalà and **A. Gulino**.
Nerve Gas Simulant Sensing by an Uranyl-Salen Monolayer Covalently Anchored on Quartz Substrates.
Chem. Eur. J. **2017**, *23*, 1576-1583.
DOI: 10.1002/chem.201602292
SCOPUS: 2-s2.0-85011421265
WOS:000395754200017
- 115b. M. Schilirò, A. Contino, S. Millesi, G. Maccarrone and **A. Gulino**
Communication between Discrete Nanostructures Triggered by a Fine Tuning of an External Stimulus.
Chem. Eur. J. **2016**, *22*, **COVER PICTURE**,
DOI: 10.1002/chem.201603015
SCOPUS: 2-s2.0-84985032722
WOS:
- 115a. M. Schilirò, A. Contino, S. Millesi, G. Maccarrone and **A. Gulino**
Communication between Discrete Nanostructures Triggered by a Fine Tuning of an External Stimulus. **HOT PAPER**
Chem. Eur. J. **2016**, *22*, 13083 – 13088.
DOI: 10.1002/chem.201602262.
SCOPUS: 2-s2.0-84979632796
WOS: 000383763200021
114. M. Schilirò, A. Contino, S. Millesi, G. Maccarrone and **A. Gulino**
Communication between Discrete Nanostructures Triggered by Fine Tuning of an External Stimulus.
Chem. Eur. J. **2016**, *22*, 12949. **COVER PROFILE**
DOI: 10.1002/chem.201603014.
SCOPUS: 2-s2.0-84979747867
WOS:
113. M. Zimbone, G. Cacciato, R. Sanz, R. Carles, **A. Gulino**, V. Privitera, M. G. Grimaldi
Black TiO_x photocatalyst obtained by laser irradiation in water.
Catal. Commun., **2016**, *84*, 11–15.
DOI.org/10.1016/j.catcom.2016.05.024
SCOPUS: 2-s2.0-84979295311
WOS: 000381534300003
112. S. Scirè, R. Fiorenza, **A. Gulino**, A. Cristaldi, P. M. Riccobene
Selective oxidation of CO in H₂-rich stream over ZSM5 zeolites supported Ru catalysts: an investigation on the role of the support and the Ru particle size
Applied Catalysis A: General **2016**, *520*, 82–91.
doi.org/10.1016/j.apcata.2016.04.011
SCOPUS: 2-s2.0-84964354519
WOS:000378369400010
111. **A. Gulino**
Reply to the ‘Comment on “A photoelectron spectroscopy study of lava stones” by M. Zappia and A. Nicoletti, *Anal. Methods*, 2016, *8*, DOI: 10.1039/c3ay41326h.
Analytical. Methods, , **2016**, *8*, 3849.

DOI: 10.1039/C4AY01109K
SCOPUS: 2-s2.0-84973596270
WOS:000375577600025

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