156. R. Fiorenza, L. Spitaleri, F. Perricelli, G. Nicotra, S. Scirè, **A. Gulino**

 Efficient Photocatalytic Oxidation of VOCs using ZnO@Au Nanoparticles.

 *Journal of Photochemistry & Photobiology, A: Chemistry*, **2023**, 434 114232.

155. R. Fiorenza, M. Bellardita, S. A. Balsamo, **A. Gulino**, M. Condorelli, G. Compagnini, S. Scirè, L. Palmisano.

 A solar photothermo-catalytic combined process for the VOCs combustion and the subsequent CO2 valorisation using noble metal-free catalysts.

 *Catalysis Today*, **2022**, Submitted.

154. R. Santonocito, N. Tuccitto, V. Cantaro, A. B. Carbonaro, A. Pappalardo, V. Greco, V. Buccilli, P. Maida, G. Maccarrone, **A. Gulino**, A. Giuffrida, G. Trusso Sfrazzetto.

 Smartphone-Assisted Sensing of TNT by Optical Array.

 *ACS Omega*, **2022**, In press.

153. A Scandurra, M. Censabella, **A. Gulino**, M. G. Grimaldi, F. Ruffino

 Electro-sorption of hydrogen by platinum palladium and bimetallic Pt-Pd nanoelectrode arrays synthesized by pulsed laser ablation.

 *Micromachines.* **2022**, 13, 963.

DOI:10.3390/mi13060963

 SCOPUS

 WOS:000815937700001

152. G. Stella, M. Barcellona, L. Saitta, C. Tosto, G. Cicala, **A. Gulino**, M. Bucolo, M. E. Fragalà

 3D Printing Manufacturing of Polydimethyl-Siloxane/Zinc Oxide Micro-Optofluidic Device for Two-Phase Flows Control.

 *Polymers*, **2022**, *14*, 2113.

 DOI:10.3390/polym14102113

 SCOPUS

 WOS:000803513500001

151. E. M. Malannata, L. Spitaleri, **A. Gulino**, S. A. Balsamo, S. Scirè, R. Fiorenza

 Removal of phthalates from water by unconventional La-based/WO3 photocatalysts.

 *Eur. J. Inorg. Chem*., **2022**, xxxxx.

 DOI:10.1002/ejic.202200183

 SCOPUS: 2-s2.0-85132203866

 WOS:000813153100001

150. A. Scandurra, M. Censabella, **A. Gulino**, M. G. Grimaldi, F. Ruffino

 Gold nanoelectrode arrays dewetted onto graphene paper for selective and direct electrochemical determination of glyphosate in water samples.

 *Sensing and Bio-Sensing Research*, **2022**, 36, 100496.

 DOI:10.1016/j.sbsr.2022.100496

 SCOPUS: 2-s2.0-85127938804

 WOS:000804805500005

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. Papanikolau, 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 MoOx 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 Sfrazzetto

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 Sfrazzetto, 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.

 C*atalyst*, **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 Polyetheresulfone 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 Sfrazzetto

 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 Sfrazzetto.

 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-TiOx: 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.

 FRONT COVER

 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 Ruiter, 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-MnOX 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 Sfrazzetto, 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 TiOx photocatalyst obtained by laser irradiation in water.

 *Catal. Commun*, **2016**, 84, 11–15.

 [DOI.org/10.1016/j.catcom.2016.05.024](http://dx.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

110. S. Millesi, M. Schilirò, F. Greco, I. Crupi, G. Impellizzeri, F. Priolo, R.G. Egdell, **A**. **Gulino**

Nanostructured CdO Thin Films for Water Treatments.

*Materials Science in Semiconductor Processing*, **2016**, 42, 85-88.

DOI: 10.1016/j.mssp.2015.08.005

 SCOPUS: 2-s2.0-84939825165

 WOS: 000367638100017

109. D. A. Cristaldi, S. Millesi, P. Mineo and **A. Gulino**

 A Chemical Address for the Morse Code

 *J. Lumin*, **2016**, 169, 348–352.

 DOI: 10.1016/j.jlumin.2015.10.004

 SCOPUS:2-s2.0-84944755317

 WOS: 000365604700053

108. S. Millesi, R. Lo Nigro, M. Pedroni, A. Speghini, **A. Gulino**

Photoexcited Porphyrins Functionalizing TiO2 and SnO2 Nanocrystals.

*J. Phys. Chem*. *C*, **2015**, 119, 23743−23751.

DOI: 10.1021/acs.jpcc.5b06574

SCOPUS:2-s2.0-84944407020

WOS: 000363068400051

107. A. Kumar, M. Chhatwal, D. A. Cristaldi, S. K. Awasthi, R. D. Gupta, **A. Gulino**

 Chromogenic Homo-Dinuclear Ruthenium(II) Monolayer as a Tunable Molecular Memory Module for Multibit Information Storage.

 *J Phys. Chem. C*, **2015**, 119, 5138-5145.

DOI: 10.1021/jp5124629

SCOPUS:2-s2.0-84924148372

WOS: 000350840700079

106. E. Khaskin, T. Fadida, Y. Kroupitsky, M. Shemesh, D. A. Cristaldi, **A. Gulino**, E. Poverenov

A contact active bactericidal stainless steel via a sustainable process utilizing electrodeposition and covalent attachment in water.

*Green Chemistry*, **2015**,17, 2344-2347.

DOI: 10.1039/C4GC02326A

SCOPUS: 2-s2.0-84928011785

WOS: 000352724200036

105 S. Millesi, G. Maccarrone, **A. Gulino**

Solid nanoarchitecture – Cu(II) solution: dynamics of the chemical communication.

*PhysChemChemPhys.*, **2015**, 17, 6612 – 6617.

DOI:10.1039/C5CP00169B

 SCOPUS: 2-s2.0-84923239514

WOS: 000351435300051

104. F. Pappalardo, D. A. Cristaldi, I. L. Fragalà, S. Millesi, M. De Bonis, **A. Gulino**

Spectroscopic and Morphological Characterization of Inflow Cannulas of Left Ventricular Assist Devices.

*ASAIO Journal* (American Society for Artificial Internal Organs: 1992), **2015**, 61(2), 150-155.

DOI:10.1097/MAT.0000000000000169

 SCOPUS: 2-s2.0-84912000686

WOS: 000352853600007

PubMed ID:25396275

NLM Unique ID:9204109

103. K. Barbera, P. Lanzafame,A. Pistone, S. Millesi,G. Malandrino,**A. Gulino**, S. Perathoner, G. Centi

The role of oxide location in HMF etherification with ethanol over sulfated ZrO2 supported on SBA-15.

*Journal of Catalysis*, **2015**, 323, 19–32

DOI: 10.1016/j.jcat.2014.12.001

SCOPUS: 2-s2.0-84921681204

WOS:000350777600003

102 G. Trusso Sfrazzetto, S. Millesi, A. Pappalardo, R. M. Toscano, F. P. Ballistreri, G. A. Tomaselli, **A. Gulino**

Olefin Epoxidation by a (salen)Mn(III) Oxene Catalyst Covalently Grafted on Glass Beads.

*Catal. Sci. Technol*., **2015**, 5, 673–679.

DOI: 10.1039/C4CY00831F

SCOPUS: 2-s2.0-84927802901

WOS:000348937900006

101. D. A. Cristaldi, S. Millesi, I. Crupi, G. Impellizzeri, F. Priolo, R. M. J. Jacobs, R. G. Egdell and **A. Gulino**

Structural, electronic, and electrical properties of an Undoped n-Type CdO thin film with high electron concentration.

*J Phys. Chem. C*, **2014**, 118(27), 15019-15026.

DOI:10.1021/jp5040085

SCOPUS: 2-s2.0-84904336357

WOS:000338980400036

100. S. Millesi, **A. Gulino**

Optical properties of porphyrin–Eu-β-diketonate supramolecular nanostructures.

*J. Mater. Chem. C* **2014**, 2 (29), 5924 – 5930.

DOI:10.1039/c4tc00439f

SCOPUS:2-s2.0-84903973577

WOS:000339396700025

99. M. Morozov, L. Motiei, J. Choudhury, **A. Gulino**, M. Lahav, M. E. van der Boom

Interfacial Mass Transfer by Controlled Multilayer Disassembly.

*Chem. Commun.* **2014**, 50(60), 8154-8156.

DOI:10.1039/c4cc00495g

SCOPUS:2-s2.0-84903698880

WOS:000339172000015

98. R. Kaminker, M. Lahav, M. Altman, G. Evmenenko, P. Dutta, **A. Gulino**, M. E. van der Boom

Surface-Confined Core-Shell Structures based on Gold Nanoparticles and Metal-Organic Networks.

*Chem. Commun.* **2014**, 50, 4635-4638.

DOI:10.1039/C3CC47865C

WOS:000334599800028

SCOPUS:2-s2.0-84898729842

97. A. Kumar, M. Chhatwal, P. C. Mondal, V. Singh, D. A. Cristaldi, R. D. Gupta, **A. Gulino**

 Ternary Memory Module Using Low-Voltage Control over Optical Properties of Metal-Polypyridyl Monolayers.

*Chem. Commun.* **2014**, 50 (29), 3783-3785.

DOI:10.1039/C4CC00388H

WOS:000333037000002

SCOPUS:2-s2.0-84896278667

96. T. Gupta, **A. Gulino**, L. Mishra, P. K. Yadav, A. Kumar, A. K Singh, N. K Singh

Azobenzamide-based proteomorphous objects as a light/pH-induced photoswitchable module.

*RSC Advances*, **2014**, 4, 7174-7177.

DOI: 10.1039/C3RA43576H

SCOPUS: 2-s2.0-84892645404

WOS:000329992200044

95. **A. Gulino**, F. Lupo, D. A. Cristaldi, S. Pappalardo, C. Capici, G. Gattuso, A. Notti, M. F. Parisi

A Viable Route for Lithium ion detection.

*Eur. J. Inorg. Chem.* **2014**, 2014(3), 414. COVER PROFILE

 DOI:10.1002/ejic.201301613

SCOPUS

WOS

94. **A. Gulino**, F. Lupo, D. A. Cristaldi, S. Pappalardo, C. Capici, G. Gattuso, A. Notti, M. F. Parisi

A Viable Route for Lithium ion detection.

*Eur. J. Inorg. Chem.* **2014**, 414, 442–449.

 DOI: 10.1002/ejic.201301213

SCOPUS: 2-s2.0-84892949144

WOS:000329999400004

93 R. Kaminker, X. R. von Hatten, M. Lahav, F. Lupo, **A. Gulino**, G. Evmenenko, P. Dutta, C. Browne, J. R. Nitschke, M. E. van der Boom

Assembly of Surface-Confined Homochiral Helicates: Chiral Discrimination of DOPA and Unidirectional Charge Transfer.

 *J. Am. Chem. Soc*. **2013**, 135, 17052−17059.

 DOI: 10.1021/ja4077205

SCOPUS: 2-s2.0-84887730770

 WOS:000327103600047

92. G. de Ruiter, M. Lahav, G. Evemenko, P. Dutta, D. A. Cristaldi, **A. Gulino**, M. E. van der Boom

Composite Molecular Assemblies: Nanoscale Structural Control and Spectroelectrochemical Diversity.

 *J. Am. Chem. Soc*. **2013**, 135, 16533-16544.

 DOI: 10.1021/ja407659z

SCOPUS: 2-s2.0-84887660311

 WOS:000326774300052

91. E. Poverenov, M. Shemesh, **A. Gulino**, D. A. Cristaldi, V. Zakin, T Yefremov, R. Granit

Durable Contact Active Antimicrobial Materials Formed by a One-Step Covalent Modification of Polyvinyl Alcohol, Cellulose and Glass Surfaces.

 *Colloids-and-Surfaces-B-Biointerfaces*, **2013**, 112, 356-361.

DOI: 10.1016/j.colsurfb.2013.07.032

SCOPUS:2-s2.0-84883674811

WOS:000328593100050

90. D. A. Cristaldi, S. Millesi, P. Mineo, **A. Gulino**

 Europium Complex Covalently Grafted on Si(100) Surfaces, Engineered with Covalent Polystyrene Nanostructures.

 *J. Phys. Chem. C*, **2013**, 117, 16213-16220.

DOI:10.1021/jp403070y

SCOPUS:2-s2.0-84881460762

WOS:000323082300042

89. M. R. Catalano, R. G. Toro, **A. Gulino**, G. Malandrino

 Perovskite LaCO3 thin films on single crystal substrates: MOCVD growth

 and characterization.

 *Surf. Coat. Technol*. **2013**, 230, 174-179.

 DOI:10.1016/j.surfcoat.2013.06.068

 SCOPUS: 2-s2.0-84881315386

 WOS:000323855700027

88. D. A. Cristaldi, A. Motta, S. Millesi, T. Gupta, M. Chhatwalb, **A. Gulino**

 Long Range Order in Si(100) Surfaces Engineered with Porphyrin Nanostructures

 *J. Mater. Chem. C***. 2013,** 1, 4979-4984.

 DOI:10.1039/C3TC30628C.

 SCOPUS: 2-s2.0-84883243594

 WOS:000322254100022

87. **A. Gulino**, I. L. Fragalà, F. Lupo, G. Malandrino, A. Motta, A. Colombo, C. Dragonetti, S. Righetto, D. Roberto,R. Ugo, F. Demartin, I. Ledoux-Rak, A. Singh

Fascinating Role of the Number of f Electrons in Dipolar and Octupolar Contributions to Quadratic Hyperpolarizability of trinuclear lanthanides-biscopper Schiff base complexes.

 *Inorg. Chem*. **2013**, 52, 7550-7556.

DOI:10.1021/IC400558B

SCOPUS:2-s2.0-84879749623

WOS:000321471800030

86. D. A. Cristaldi, C. G. Fortuna, **A. Gulino**

A Photoelectron Spectroscopy Study of Lava Stones

*Analytical. Methods*, **2013**, 5, 3458-3462.

DOI:10.1039/C3AY40136G

SCOPUS:2-s2.0-84879751640

WOS:000321011900004

85. D. A. Cristaldi, **A. Gulino**

Functionalization of SnO2 Crystals with a Covaleny Assembled Porphyrin Monolayer.

*ChemSusChem*, **2013**, 6, 1031-1036.

DOI: 10.1002/cssc.201300149.

SCOPUS:2-s2.0-84878619319

WOS:000319828000013

84. P. G. Mineo, D. A. Cristaldi, A. Motta, T. Gupta, **A. Gulino**

Covalent Poly(methyl methacrylate) Nanostructures on Functionalized Si(100) Surfaces.

*RSC Adv.*, **2013**, 3, 1137-1144.

DOI:10.1039/C2RA22327A

SCOPUS: 2-s2.0-84871801440

WOS:000312390000025

83. **A. Gulino**

Structural and Electronic Characterization of Self-Assembled Molecular Nanoarchitectures by X-ray Photoelectron Spectroscopy.

*Anal. Bioanal. Chem*. **2013**, 405, 1479-1495.

DOI:10.1007/s00216-012-6394-8

SCOPUS: 2-s2.0-84873737874

WOS:000313960000005

82. V. La Paglia Fragola, F. Lupo,A. Pappalardo, G. Trusso Sfrazzetto, R. M. Toscano, F. P. Ballistreri,G. A. Tomaselli, **A. Gulino**

Surface-Confined O=MnV(salen) Oxene Catalyst and Huge Turnover Values in Asymmetric Epoxidation of Unfunctionalized Olefins.

*J. Mater. Chem*. **2012,** 22, 20561-20565

 DOI:10.1039/c2jm34847k

 SCOPUS: 2-s2.0-84869494478

 WOS:000308658600066

81. A. Cristaldi, G. Impellizzeri, F. Priolo, T. Gupta, A. **Gulino**

Structural, Electronic and Electrical Properties of Y-Doped Cd2SnO4.

 *J. Phys. Chem. C*. **2012**, 116, 3363-3368.

 DOI:10.1021/jp2103676

SCOPUS: 2-s2.0-84856883186

WOS:000299985300023

80. D. A. Cristaldi, I. Fragalà, A. Pappalardo, R. M. Toscano, F. P. Ballistreri, G. A. Tomaselli, **A. Gulino**

Sensing of Linear Alkylammonium Ions by a 5-Pyrenoylamido-Calix[5]arene Solution and Monolayer Using Luminescence Measurements.

*J. Mater. Chem*. **2012**, 22, 675-683.

 DOI:10.1039/c1jm13475b

 SCOPUS: 2-s2.0-83455235141

 WOS:000299020000055

79. P. Mineo, F. Lupo, I. Fragalà, E. Scamporrino, **A. Gulino**

Properties of Uncharged water-soluble tetra(ω-methoxypolyethyleneoxy)phthalocyanine Free Base: Viable Switching of the Optical Response by means of H3O+ Ions.

 *J. Lumin.*, **2012**, 132, 409-413.

 DOI:10.1016/j.jlumin.2011.08.048

 SCOPUS: 2-s2.0-80053354366

 WOS:000298269600029

78. V. Singh, M. Zharnikov, **A. Gulino** and T. Gupta

DNA Immobilization, Delivery and Cleavage on Solid Supports

 *J. Mater. Chem*., **2011**, *21*, 10602-10618.

 DOI:10.1039/c0jm04359a

 SCOPUS: 2-s2.0-79960380137

 WOS:000292978600003

77.P. Mineo, A. Motta, F. Lupo, L. Renna, **A. Gulino**

Si(111) Surface Engineered with Ordered Nanostructures by an Atom Transfer Radical Polymerization.

 *J. Phys. Chem. C*, **2011**, *115*, 12293-12298.

 DOI:10.1021/jp202056y

SCOPUS: 2-s2.0-79959505913

WOS:000291896000008

1. Y. Tidhar, H. Weissman, S. G. Wolf, **A. Gulino**, B. Rybtchinski

Pathway-Dependent Self-Assembly of Perylene Diimide/Peptide Conjugates in Aqueous Medium.

 *Chemistry Eur. J*., **2011**, *17*, 6068-6075.

 DOI:10.1002/chem.201003419

 SCOPUS: 2-s2.0-79956132788

 WOS:000291798700009

75.L. Motiei, M. Lahav, **A. Gulino**, M. A. Iron, M. E. van der Boom

Electrochemical Characteristics of a Self-Propagating Molecular-Based Assembly

 *J. Phys. Chem*. *B,* **2010**, **114**, 14283-14286.

 DOI:10.1021/jp910898f

SCOPUS: 2-s2.0-77955835718

WOS:000284018000020

74. R. Kaminker, L. Motiei, **A. Gulino**, I. Fragalà, L. J. W. Shimon, G. Evmenenko, P. Dutta, M. A. Iron, M. E. van der Boom

 Stepwise Assembly of Coordination-based Metal-Organic Networks

*J. Am. Chem. Soc.,* **2010**, 132, 14554-14561*.*

DOI:10.1021/ja105518n

 SCOPUS: 2-s2.0-77958027974

 WOS:000283276800050

73.G. G. Condorelli, C. Tudisco, A. Motta, A. Di Mauro, F. Lupo, **A. Gulino**, I. L. Fragalà.

Multistep Anchoring Route of Luminescent (5-Amino-1,10-phenanthroline) tris(dibenzoylmethane) europium(III) on Si(100).

 *Eur. J. Inorg. Chem.*, **2010**, 4121-4129.

 DOI:10.1002/ejic.201000272

 SCOPUS: 2-s2.0-77956603925

 WOS:000282913300008

72.F. Lupo, M. E. Fragalà,T. Gupta, A. Mamo, A. Aureliano, M. Bettinelli, A. Speghini, **A. Gulino**

Luminescence of a Ruthenium Complex Monolayer, Covalently Assembled on Silica Substrates, upon CO Exposure.

*J. Phys. Chem*. C **2010**, *114*, 13459-13464.

DOI:10.1021/jp1028917

SCOPUS: 2-s2.0-77956151381

WOS:000280727500008

71. F. Lupo, S. Gentile, F. P. Ballistreri, G. A. Tomaselli, M. E. Fragalà, **A. Gulino**

Viable Route for Switching of an Engineered Silica Surface using Cu2+ Ions at sub-ppm Levels.

 *Analyst*, **2010**, *135*, 2273-2279.

DOI:10.1039/c0an00364f

 SCOPUS: 2-s2.0-77955811472

 WOS:000281007300010

70. J. Choudhury, R. Kaminker, L. Motiei, G. de Ruiter, M. Morozov F. Lupo, **A. Gulino**, M. E. van der Boom

Linear vs Exponential Formation of Molecular-based Assemblies.

*J. Am. Chem. Soc*.,**2010**, *132*, 9295-9297.

DOI:10.1021/ja104203v

SCOPUS: 2-s2.0-77955782897

WOS:000279745700026

69. F. Lupo, C. Capici, G. Gattuso, A. Notti, M. F. Parisi, A. Pappalardo, S. Pappalardo, **A. Gulino**

Optical recognition of n-butylammonium and 1,5-pentanediammonium picrates by a calix[5]arene monolayer covalently assembled on silica substrates.

*Chem. Mater.,* **2010***,* *22*, 2829-2834.

DOI:10.1021/cm9038208

SCOPUS: 2-s2.0-77951972952

WOS:000277194600019

68. P. G. Mineo, L. Livoti, M. Giannetto, **A. Gulino**, S. Lo Schiavo, P. Cardiano

Very fast CO2 response and hydrophobic properties of novel poly(ionic liquid)s.

*J. Mater. Chem*. **2009**, *19*, 8861-8870.

DOI:10.1039/b912379b

SCOPUS: 2-s2.0-70450169064

WOS:000271907800022

67. F. Lupo, R. Kamalakaran, **A. Gulino**

Viable Route for Cobalt Oxide-Carbon Nanocomposites.

 *J. Phys. Chem. C*, **2009**, 113, 15533-15537.

 DOI:10.1021/jp902857g

SCOPUS: 2-s2.0-70349094417

WOS:000269252500010

66. **A. Gulino**, F. Lupo, M. E. Fragalà, S. Lo Schiavo

X-ray Photoelectron Spectroscopy: A Powerful Tool For Electronic And Structural Investigations Of Covalently Assembled Molecular Monolayers. A Representative Case Study.

 *J. Phys. Chem. C*, **2009**, 113, 13558-13564.

 DOI:10.1021/jp9027436

SCOPUS: 2-s2.0-68749084841

WOS:000268478700017

65. **A. Gulino**, F. Lupo, G. G. Condorelli, A. Motta, I. Fragalà

Tunable Luminescent Properties of an Europium Complex Monolayer.

 *J. Mater. Chem*., **2009**, 19, 3507-3511.

 DOI:10.1039/b901552c

 SCOPUS: 2-s2.0-65949100827

 WOS:000266269300024

64. **A. Gulino**, F. Lupo, G. G. Condorelli, M. E. Amato, M. E. Fragalà, G. Scarlata

Reversible Photoswitching of Stimuli Responsive Si(100) Surfaces Engineered with an Assembled 1-Cyano-1-Phenyl-2-(4’-(10-Undecenyloxy)Phenyl)-Ethylene Monolayer.

*J. Mater. Chem*., **2008**, 18, 5011-5018.

DOI:10.1039/b809037h

SCOPUS: 2-s2.0-54049125845

WOS:000260024100015

63. **A. Gulino**, F. Lupo and M. E. Fragalà

Substrate Free Self-Standing ZnO Thin films.

 *J. Phys. Chem. C*, **2008**, 112, 13869-13872.

 DOI:10.1021/jp8039466

 SCOPUS: 2-s2.0-52649161326

 WOS:000258980200011

62. L. Motiei, M. Altman, T. Gupta, F. Lupo, **A. Gulino**, G. Evmenenko, P. Dutta, M. E. van der Boom

Self-Propagating assembly of a molecular-based multilayer.

 *J. Am. Chem. Soc*. **2008**, 130, 8913-8915.

 DOI:10.1021/ja802470g

 SCOPUS: 2-s2.0-47349119412

 WOS:000257507400020

61. **A. Gulino**, T. Gupta, M. Altman, S. Lo Schiavo, P. G. Mineo, I. L. Fragalà, G. Evmenenko, P. Dutta, M. E. van der Boom

Selective Monitoring of Parts per Million Levels of CO by Covalently Immobilized Metal Complexes on Glass.

 *Chem. Commun*. **2008,** 2900-2902.

 DOI:10.1039/b802670j

 SCOPUS: 2-s2.0-45549108311

 WOS:000256924500017

60. **A. Gulino**, P. Mineo, I. Fragalà,

NO2 Sensing Ability of a Monolayer of Cobalt(II) Porphyrin Molecules Covalently Assembled on a Engineered Silica Substrate.

*Inorg. Chim. Acta*, **2008**, 361, 3877-3881.

DOI:10.1016/j.ica.2008.02.055

SCOPUS: 2-s2.0-49549084169

WOS:000258664800018

59**. A. Gulino,** T. Gupta, Placido G. Mineo, Milko E. van der Boom

Selective NO× optical sensing with surface-confined osmium polypyridyl complexes.

 *Chem. Commun*., **2007**, 4878-4880.

 DOI:10.1039/b711400a

 SCOPUS: 2-s2.0-37549033139

 WOS:000251678300012

58. **A. Gulino**, F. Lupo, G. G. Condorelli, P. Mineo, I. Fragalà

Viable Synthetic Route For A Luminescent Porphyrin Monolayer Covalently Assembled On a Molecularly Engineered Si(100) Surface.

 *Chem. Mater*., **2007**, 19, 5102-5109.

DOI:10.1021/cm071450u

 SCOPUS: 2-s2.0-35548982951

 WOS:000250009800011

57. **A. Gulino**, I. Fragalà, E. Scamporrino, D. Vitalini

Similarities and Differences among Monolayers of a Free Base Porphyrin and its Copper Complex: Synthesis and Characterization of a Luminescent Copper (II) Porphyrin Monolayer.

 *J. Phys. Chem. C*, **2007**, *111*, 14125-14130.

DOI:10.1021/jp073107i

 SCOPUS: 2-s2.0-35148826507

 WOS:000249655500016

56. **A. Gulino**, P. Mineo, I. Fragalà

Spectroscopic and Morphological Investigation of an Optical pH Meter Based on a Porphyrin Monolayer Covalently Assembled on a Engineered Silica Surface.

 *J. Phys. Chem. C*, **2007**, *111*, 1373-1377.

DOI:10.1021/jp066523w

 SCOPUS: 2-s2.0-33847352858

 WOS:000245005400049

55. **A. Gulino**, S. Giuffrida, P. Mineo, M. Purrazzo, E. Scamporrino, G. Ventimiglia, M.E. van der Boom, Ignazio Fragalà

Photoluminescence of a Covalent Assembled Porphyrin-Based Monolayer: Optical Behavior in the Presence of O2.

*J. Phys. Chem. B,* **2006**, *110*, 16781-16786.

DOI:10.1021/jp062967g

 SCOPUS: 2-s2.0-33748527185

 WOS:000239818000087

54. **A. Gulino**, P. Mineo, E. Scamporrino,D. Vitalini, I. Fragalà

Spectroscopic and Microscopic Characterization and Behavior of an Optical pH Meter based on a Functional Hybrid Monolayer Molecular System: Porphyrin Molecules Covalently Assembled on a Molecularly Engineered Silica Surface.

 *Chem. Mater*., **2006**, *18*, 2404-2410.

DOI:10.1021/cm060086g

 SCOPUS: 2-s2.0-33744922379

 WOS:000237389700028

53. **A. Gulino**, I. Fragalà

Cobalt hexafluoroacetylacetonate polyether adducts for thin films of cobalt oxides.

 *Inorg. Chim. Acta*, **2005**, *358*, 4466-4472.

 DOI:10.1016/j.ica.2005.07.031

 SCOPUS: 2-s2.0-28544449902

 WOS:000234041600008

52. **A. Gulino**, G. G. Condorelli, P. Mineo, I. Fragalà

 An x-ray photoelectron spectra and atomic force microscopy characterization of silica substrates engineered with a covalently assembled siloxane monolayer.

*Nanotechnology*, **2005**, *16*, 2170-2175.

DOI:10.1088/0957-4484/16/10/033

SCOPUS: 2-s2.0-25444498015

WOS:000232906200034

51. **A. Gulino**, G. P. Mineo, S. Bazzano, D. Vitalini, I. Fragalà

Optical pH Meter by means of a Porphyrin Monolayer Covalently Assembled on a Molecularly Engineered Silica Surface.

*Chem. Mater*., **2005**, *17*, 4043-4045.

DOI:10.1021/cm051118n

SCOPUS: 2-s2.0-23844539688

WOS:000231043200004

50. **A. Gulino**, G. Tabbi

CdO thin films. A study of their electronic structure by electron spin resonance spectroscopy.

*Appl. Surf. Sci.*, **2005**, *245/1-4*, 322-327.

DOI:10.1016/j.apsusc.2004.10.026

SCOPUS: 2-s2.0-17044390205

WOS:000228904900043

49. **A. Gulino**, S. Bazzano, G. G. Condorelli, S. Giuffrida, P. Mineo, C. Satriano, E. Scamporrino, G. Ventimiglia, D. Vitalini, I. Fragalà

Engineered Silica Surfaces with an Assembled C60 Fullerene Monolayer.

 *Chem. Mater*, **2005**, *17*, 1079-1084.

 DOI:10.1021/cm048861k

 SCOPUS: 2-s2.0-20044387030

 WOS:000227421300024

48. **A. Gulino**, S. Bazzano, P. Mineo, E. Scamporrino, D. Vitalini, I. Fragalà

Characterization, Optical Recognition Behavior, Sensitivity and Selectivity of Silica Surfaces Functionalized with a Porphyrin Monolayer.

*Chem. Mater*, **2005**, *17*, 521-526.

DOI:10.1021/cm048130k

SCOPUS: 2-s2.0-13444265959

WOS:000226804000009

47. **A. Gulino**, P. Dapporto, P. Rossi, G. Anastasi, I. Fragalà

 Viable Route for the Synthesis of the Anhydrous Co(hfac)2 Adduct with Monoglyme: a Useful Precursor for Thin Films of CoO.

*J. Mater. Chem*., **2004**, *14*, 2549-2553.

 DOI:10.1039/b404307c

 SCOPUS: 2-s2.0-4944264267

 WOS:000223273100012

46. **A. Gulino**, P. Mineo, E. Scamporrino, D. Vitalini I. Fragalà

Molecularly Engineered Silica Surfaces with An Assembled Porphyrin Monolayer as Optical NO2 Molecular Recognizers.

 *Chem. Mater.*, **2004**, *16*, 1838-1840.

 DOI:10.1021/cm049902f

 SCOPUS: 2-s2.0-2442650312

 WOS:000221386500004

45. **A. Gulino**, P. Dapporto, P. Rossi and I. Fragalà

A Novel Self-Generating Liquid MOCVD Precursor for Co3O4 Thin Films.

 *Chem. Mater*., **2003**, *15*, 3748-3752

 DOI:10.1021/cm034305z

 SCOPUS: 2-s2.0-0141927098

 WOS:000185747100005

44. **A. Gulino**, G. Compagnini **,** A. A. Scalisi

Large Third-Order Nonlinear Optical Properties of Cadmium Oxide Thin Films.

*Chem. Mater*., **2003**, *15*, 3332-3336.

DOI:10.1021/cm031075f

SCOPUS: 2-s2.0-0041421072

WOS:000184838300018

43. **A. Gulino**, G. Fiorito and I. Fragalà

Deposition of Thin Films of Cobalt oxides by MOCVD.

*J. Mater. Chem*., **2003**, *13*, 861-865.

DOI:10.1039/b211861k

SCOPUS:2-s2.0-0037386719

WOS:000181670900044

42. **A. Gulino**, P. Dapporto, P. Rossi and I. Fragalà

 Synthesis and Characterization of Liquid MOCVD Precursors for Thin Films of Cadmium Oxide.

 *Chem. Mater*., **2002,** *14*, 4955-4962.

DOI:10.1021/cm021183m

 SCOPUS:2-s2.0-0036916603

 WOS:000180016600011

41. **A. Gulino**, P. Dapporto, P. Rossi and I. Fragalà

 A Liquid MOCVD Precursor for Thin Films of CdO.

 *Chem. Mater*., **2002**, *14*, 1441-1444

DOI:10.1021/cm0112946

 SCOPUS: 2-s2.0-0036123934

 WOS:000175028700001

40. **A. Gulino**, F. Castelli, P. Dapporto, P. Rossi and I. Fragalà

 Synthesis and Characterization of Thin Films of Cadmium Oxide.

*Chem. Mater*., **2002**, *14*, 704-709.

DOI:10.1021/cm011175q

SCOPUS: 2-s2.0-0036197511

WOS:000173998500037

39. **A. Gulino**,I. Fragalà

Deposition and Characterization of Transparent Thin Films of Zinc Oxide Doped with Bi and Sb.

*Chem. Mater*., **2002**, *14*, 116-121.

DOI:10.1021/cm011088y

SCOPUS: 2-s2.0-0036120673

WOS:000173459300024

38. **A. Gulino**, F. Castelli,P. Dapporto, P. Rossi and I. Fragalà

Synthesis and Characterization of Novel Self-Generating Liquid MOCVD Precursors for Thin Films of Zinc Oxide.

*Chem. Mater*., **2000**, *12*, 548-554.

DOI:10.1021/cm991154k

SCOPUS: 2-s2.0-0033807639

WOS:000085502900045

1. **A. Gulino**, I. Fragalà

Synthesis and Spectroscopic Characterisation of Y-doped Cd2SnO4.

*J. Mater. Chem*., **1999**, *9*, 2837-2841.

DOI:10.1039/a903480c

SCOPUS: 2-s2.0-0032743370

WOS:000083335700023

36. **A. Gulino**, G. Compagnini, R.G. Egdell, I. Fragalà

Thin films of tetragonal zirconia with Bi doping: deposition, characterisation and thermal behaviour.

*Thin Solid Films*., **1999**, *352*, 73-76.

DOI: NONE

SCOPUS: 2-s2.0-0003093015

WOS:000082709600012

1. I. Kotsis, E. Kristof-Mako, **A. Gulino**, I. Fragalà

Novel Results in the Characterisation of the plasma-sprayed titanium coating of endosseous implant.

*Hung. J. Ind. Chem.*, **1999**, *27*, 149-153

SCOPUS: 2-s2.0-0032691572

WOS:000082366800012

1. W.A. King, S Di Bella, **A Gulino**, G. Lanza, I.L. Fragalà, C.L. Stern and T.J. Marks

Absolute Metal-Ligand σ Bond Enthalpies in Group 4 Metallocenes. A Thermochemical, Structural, Photoelectron Spectroscopic, and ab Initio Quantum Chemical Investigation.

*J. Am. Chem. Soc*., **1999**, *121*, 355-366.

DOI:10.1021/JA9822815

SCOPUS:2-s2.0-0033585544

WOS:000079041700013

33. **A. Gulino**, R.G. Egdell, I. Fragalà

 Mechanically Induced Phase Transformation and Surface Segregation in Bismuth-Doped Tetragonal Zirconia.

 *J. Am. Ceram. Soc.* **1998**, *81[3]*, 757-759.

 SCOPUS: 2-s2.0-0032022059

 WOS:000072592300046

32. **A. Gulino**, R.G. Egdell, G. Baratta, G. Compagnini, I Fragalà

Surface Segregation and Effect of Mechanical Stress on Sb-Stabilised Tetragonal Zirconia.

*J. Mater Chem*, **1997**, *7*, 1023-1027.

DOI:10.1039/a700670e

SCOPUS: 2-s2.0-0003300633

WOS:A1997XE22700031

31. **A. Gulino**, R.G. Egdell, I Fragalà,

 Low Temperature Stabilization of Tetragonal Zirconia By Antimony.

 *J. Mater Chem.* **1996**, *11*, 1805-1809.

 DOI:10.1039/jm9960601805

 SCOPUS: 2-s2.0-0001173705

 WOS:A1996VT28900012

30. S. Di Bella, G. Lanza, **A. Gulino**, and I. Fragalà

 Electronic Structure of Bis(2,4-pentanedionato-*O,O'*)oxovanadium(IV).

 A Photoelectron Spectroscopy, Electronic Spectroscopy, and ab Initio Molecular Orbital Study.

 *Inorg. Chem.* **1996**, 35, 3885-3890.

 DOI:10.1021/IC951457Q

 SCOPUS: 2-s2.0-0001542261

 WOS:A1996UT21000026

29. **A. Gulino**, G.G. Condorelli, I. Fragalà

 Syntesis and Spectroscopic Characterization of MoO3 Thin Films.

 *J. Mater.Chem.* **1996**, *8*, 1335-1338.

 DOI:10.1039/jm9960601335

 SCOPUS: 2-s2.0-27844541293

 WOS:A1996VC50700011

28. **A. Gulino**, S. La Delfa, I Fragalà, R.G. Egdell

 Low-Temperature Stabilization of Tetragonal Zirconia By Bismuth.

 *Chem. Mater.* **1996,** *8*, 1287-1291.

 DOI:10.1021/CM950558J

 SCOPUS:2-s2.0-0001261232

 WOS:A1996UQ79000020

27. **A. Gulino**, S. Parker, F.H. Jones, R.G. Egdell

 Influence of metal-metal bonds on electron spectra of MoO2 and WO2.

 *J. Chem. Soc. Faraday (Solid State Chemistry Special Issue)*, **1996,** *92*, 2137-2141.

 DOI:10.1039/ft9969202137

 SCOPUS: 2-s2.0-33748598975

 WOS:A1996UU87700013

26. A.E. Taverner, **A. Gulino**, R.G. Egdell, T.J. Tate

 A Photoemission Study of electron States in Sb-ion Implanted TiO2 (110).

 *Appl. Surf. Sci.,* **1995**, 90, 383-387.

 DOI:10.1016/0169-4332(95)00170-0

 SCOPUS: 2-s2.0-0003049016

 WOS:A1995TD96300017

25. **A. Gulino**, G.G. Condorelli, I. Fragalà, R.G. Egdell

 Surface Segregation of Sb in Doped TiO2 Rutile.

 *Appl. Surf. Sci.*, **1995**, 90, 289-295.

 DOI:10.1016/0169-4332(95)00160-3

 SCOPUS: 2-s2.0-0006277082

 WOS:A1995TD96300005

24. **A. Gulino**, R.G. Egdell, P.D. Battle, S.H. Kim

 Photoemission and electron-energy-loss-spectroscopy Study of BaRuO3

 *Phys. Rev. B* **1995**, 51, 6827-6832.

 DOI: NONE

 SCOPUS: 2-s2.0-0009347667

 WOS:A1995QP77400002

23. A.E. Taverner, C. Rayden, S. Warren, **A. Gulino**, P.A. Cox and R.G. Egdell

 Comparison of The Energies of Vanadium Donor Levels in Doped SnO2 and TiO2

 *Phys. Rev.B* **1995**, 51, 6833-6837.

 DOI: NONE

 SCOPUS: 2-s2.0-35949006475

 WOS:A1995QP77400003

22. R.G. Egdell, **A. Gulino**, C. Rayden, G. Peacock, P.A. Cox,

 Nature of Donor States in V-Doped SnO2.

 *J. Mater. Chem.* **1995**, *5*, 499-504.

 DOI:10.1039/jm9950500499

 SCOPUS: 2-s2.0-0000373801

 WOS:A1995QM06500020

21. **A. Gulino**, A.E. Taverner, S. Warren, P. Harris, R.G. Egdell

 A Photoemission Study of Sb-Doped TiO2.

 *Surf. Sci.*, **1994**, *315*, 351-361.

 DOI:10.1016/0039-6028(94)90138-4

 SCOPUS: 2-s2.0-0028480324

 WOS:A1994PC52700015

20. S. Di Bella, **A. Gulino**, G. Lanza, I. Fragalà, D. Stern, T. J. Marks

 -Photoelectron Spectroscopy of f-Element Organometallic Complexes 12. A Comparative Investigation of the Electronic Structure of Lanthanide Bis(polymethylcyclopentadienyl) hydrocarbyl Complexes by Relativistic ab Initio and DV-Xα Calculations, and Gas-Phase UV Photoelectron Spectroscopy.

 *Organometallics* **1994**, *13*, 3810-3815.

 DOI:10.1021/om00022a016

 SCOPUS: 2-s2.0-0007330390

 WOS:A1994PL51000016

19. M. Casarin, **A. Gulino**, D. Lentz, H. Michael-Schulz and A.Vittadini.

 Experimental Investigation of the Electronic Structures of Enneacarbonylbis(η3-X- methylidyne)triiron Complexes ( X = H, F, Cl, Br) by Means of He I/He II Gas- Phase UV Photoelectron Spectroscopy.

 *Inorg. Chem.*, **1993**, *32*, 1383-1388.

 DOI:10.1021/ic00060a011

 SCOPUS: 2-s2.0-33751385436

 WOS:A1993KX64600011

18. M. Casarin, E. Tondello, F. Calderazzo, A. Vittadini, M. Bettinelli, **A. Gulino**

 Zn4O(O2CNEt2)6: A Further Molecular Model for ZnO.

 *J. Chem. Soc. Faraday Trans*., **1993**, *89*, 4363-4367.

 DOI:10.1039/ft9938904363

 SCOPUS: 2-s2.0-0000843016

 WOS:A1993MM52600017

17. S. Di Bella, **A. Gulino**, G. Lanza, I. L. Fragalà, T. J. Marks

Photoelectron Spectroscopy of f-Element Organometallic Complexes. 11. An Investigation of the Electronic Structure of Some Tris(5-cyclopentadienyl)- thorium(IV) and -Uranium(IV) Complexes by Relativistic Effective Core Potential ab Initio Calculations and Gas-Phase UV Photoelectron Spectroscopy.

 *J. Phys. Chem.* **1993**, *97*, 11673-11676.

 DOI:10.1021/j100147a020

 SCOPUS: 2-s2.0-33751386062

 WOS:A1993MG29900020

16. S. Di Bella, **A. Gulino**, G. Lanza, I. L. Fragalà, T. J. Marks

-Photoelectron Spectroscopy of f-Element Organometallic Complexes. 10. Investigation of the Electronic Structure and Geometry of Bis(5- pentamethylcyclopentadienyl)-phosphathoracyclobutane by Relativistic ab Initio, Multipolar DV-Xa Calculations and Gas-Phase UV Photoelectron Spectroscopy.

 *Organometallics* **1993**, *12*, 3326-3332.

 DOI:10.1021/om00032a063

 SCOPUS: 2-s2.0-2642629294

 WOS:A1993LU68300063

15. **A. Gulino**, S. Di Bella, I. Fragalà, M. Casarin, A. M. Seyam, T. J. Marks

A Comparative Fully Relativistic/Nonrelativistic First-Principles Xα-DVM and Photoelectron Spectroscopic Investigation of Electronic Structure in Homologous 4f and 5f Tris(5-cyclopentadienyl)metal(IV) Alkoxide Complexes.

 *Inorg. Chem.* **1993**, *32*, 3873-3879.

 DOI:10.1021/ic00070a018

 SCOPUS: 2-s2.0-0347964025

 WOS:A1993LV76600018

14. **A. Gulino**, E. Ciliberto, S. Di Bella, I. Fragalà

 -Evidence of Spin Crossover Phenomena Deduced from Gas-Phase Photoelectron Spectra of the Bis[tetrakis(pyrazol-1-yl)borato]iron(II) Complex.

 *Inorg. Chem.* **1993**, *32*, 3759-3761.

 DOI:10.1021/ic00069a035

 SCOPUS: 2-s2.0-0342556222

 WOS:A1993LU16500035

13. **A. Gulino**, E. Ciliberto, S. Di Bella, I. Fragalà, A. M. Seyam, T. J. Marks

-Photoelectron Spectroscopy of f-Element Organometallic Complexes. 8. DV-Xα and Gas-Phase UV Photoelectron Spectroscopic Investigation of the Electronic Structure of Tris(5-cyclopentadienyl)uranium(IV) Complexes.

 *Organometallics* **1992**, *11*, 3248-3257.

 DOI:10.1021/om00046a022

 SCOPUS: 2-s2.0-0005889208

 WOS:A1992JT75400022

12. R. Bertoncello, M. Bertinelli, M. Casarin, **A. Gulino**, E. Tondello, A. Vittadini.

-Zn4O(acetate)6 Well Tailored Molecular Model of ZnO. An Experimental and Theoretical Investigation of the Electronic Structure of Zn4O(acetate)6 and ZnO by Means of UV and X-ray Photoelectron Spectroscopies and First Principle Local Density Molecular Cluster Calculations.

*Inorg Chem.*, **1992**, *31*, 1558-1565.

DOI:10.1021/ic00035a008

 SCOPUS: 2-s2.0-33751392072

WOS:A1992HR75900008

11. M. Casarin, E. Ciliberto, S. Di Bella, **A. Gulino**, I. Fragalà, T. J. Marks

 -Electronic Structure of Tetracoordinate Transition-Metal Complexes. 5. Comparative Theoretical ab Initio/Hartree-Fock-Slater and Ultraviolet- Photoelectron Spectroscopic Studies of Building Blocks for Low-Dimensional Conductors. Dibenzo[*b,i*][1,4,8,11]-tetraazacyclotetradecine Complexes of Nickel(II) and Palladium(II).

 *Inorg. Chem.* **1992**, *31*, 2835-2842.

 DOI:10.1021/ic00039a031

 SCOPUS: 2-s2.0-4243695512

 WOS:A1992JA54700031

10. E. Ciliberto, S. Di Bella, **A. Gulino**, I. L. Fragalà

 -Synthesis, Structure, and Bonding Properties of a New Volatile [*N-tert-*Butyl(1*H*- pyrrol-2-ylmethylene)aminato]thallium(I) Complex.

 *Inorg. Chem.* **1992**, *31*, 1641-1644.

 DOI:10.1021/ic00035a023

 SCOPUS: 2-s2.0-25544432025

 WOS:A1992HR75900023

9. E. Ciliberto, S. Di Bella, **A. Gulino**, I. Fragalà, J. L. Petersen, T. J. Marks

 -Combined DV-Xα and Gas-Phase UV Photoelectron Spectroscopic Investigation of the Electronic Structures of Tetravalent Titanium, Zirconium, Molybdenum, and Thorium 1-Sila-3-metallacyclobutane Metallocene Complexes.

 *Organometallics* **1992**, *11*, 1727-1737.

 DOI:10.1021/om00040a050

 SCOPUS: 2-s2.0-1842313981

 WOS:A1992HP32100050

8. M. Casarin, **A. Gulino**, M.J.A. Kraakman, G.A. Rizzi, A. Vittadini, K. Vrieze.

 Experimental and Theoretical Investigation of the Electronic Structure of Two Isoelectronic Binuclear Clusters. UV-PES and DV-Xα Study of Ru2(CO)6[f,f'- N(R)CH2CH2N(R)] and FeRu(CO)6[f,f'-N(R)CH2CH2N(R)].

 *Inorg. Chem*., **1991**, 30, 1906-1911.

 DOI:10.1021/ic00008a042

 SCOPUS: 2-s2.0-33751499448

 WOS:A1991FH62600042

7. S. Millefiori, **A. Gulino** and M. Casarin

 UV Photoelectron Spectra, Reduction Potentials and MO Calculations of Intramolecularly Hydrogen-Bonded Naphtoquinones.

 *J. de Chimie Physique et de Physico-.Chimie Biologique*, **1990**, 87, 317-330.

 DOI: NONE

 SCOPUS: NOT FOUND

 WOS:A1990DE11100001

6. **A. Gulino**

 Struttura Elettronica di Complessi di Metalli di Transizione "d" ed "f" mediante Spettroscopia di Fotoelettroni e Metodi di Calcolo Quantomeccanici.

 Tesi di Dottorato di Ricerca, *Biblioteche Nazionali di Roma e Firenze*, **1990**.

5. E. Ciliberto, S. Di Bella, **A. Gulino** and I Fragala'

 Electronic Structure of Transition-Metal Tetracoordinated Complexes. 4. Theoretical ab Initio and UV-Photoelectron Spectroscopy Study of Nickel(II) and Palladium(II) Complexes of N,N'-1,3-propaneaminebis(1H-pyrrol-2-ylmethylene) Schiff Base.

 *Inorg. Chim. Acta*., **1990**, 177, 225-231.

 DOI:10.1016/S0020-1693(00)85980-0

 SCOPUS: 2-s2.0-4243574213

 WOS:A1990EW06000012

4. M. Casarin, E. Ciliberto, **A. Gulino** and I. Fragala'

An Investigation of the Electronic Structure of Bis(η5-cyclopentadienyl) Dicarbonyl Complexes of Titanium(II) and Zirconium(II). Discrete Variational Xα Calculation and Gas-Phase Photoelectron Spectroscopy.

 *Organometallics*, **1989**, 8, 900-906.

 DOI:10.1021/om00106a007

 SCOPUS: 2-s2.0-2142750318

 WOS:A1989U095300007

3. **A. Gulino**, M. Casarin, V.P. Conticello, J.G. Gaudiello, H. Mauermann, I. Fragalà, and T.J. Marks

 Efficient Synthesis, Redox Characteristics, and Electronic Structure of a Tetravalent tris(cyclopentadienyl)cerium Alkoxide Complex.

 *Organometallics*, **1988**, 7, 2360-2364.

 DOI:10.1021/om00101a016

 SCOPUS: 2-s2.0-0001150782

 WOS:A1988Q914800016

2. A.Vittadini, M. Casarin,D. Ajo,R. Bertoncello, E. Ciliberto, **A. Gulino** and I. Fragalà.

 A DV-Xα Theoretical Investigation of the Electronic Structure of some Tris(cyclopentadienyl) Complexes of U(IV).

 *Inorg. Chim. Acta*, **1986**, 121, L23-L25.

 DOI:10.1016/S0020-1693(00)87745-2

 SCOPUS: 2-s2.0-46149131922

 WOS:A1986F103200022

1. I.L. Fragalà and **A. Gulino**

 Photoelectron Spectroscopy of f-Element Organometallic Complexes in "Fundamental and Technological Aspects of Organo-f-Elements Chemistry",

 T.J. Marks and I.L. Fragala' Eds., *NATO ASI -Reidel Publishing Company*, **1985,**

 pp 327-360.

 DOI: NONE