

Elenco delle Pubblicazioni
Prof. Antonino Gulino

177. E. Saccullo, A. Ferlazzo, V. Fuochi, S. Furnari, R. Lombardo, L. Spitaleri, G. Sfuncia, G. Nicotra, P. M. Furneri, A. Gulino, R. Pignatello, A. Rescifina, V. Patamia, G. Floresta Halloysite-based multifunctional filler for antibacterial and anticorrosive protective coatings: a sustainable approach using kojic acid and ionic liquids.
J. Coll. Interf. Sci., **2025**, Submitted.
176. F. Florio, A. Ferlazzo, S. Bonforte, G. Nicotra, G. Neri, M. E. van der Boom, I. Pinkas, **A. Gulino**.
Unveiling the Sensing Ability of MoS₂ Nanoparticles: from Fundamental Insights into Practical Applications for Nitrites.
J. Mater. Chem. C, **2025**, Submitted
175. R. Fiorenza, F. Florio, A. Ferlazzo, M. E. Fragalà, M. Barcellona, **A. Gulino**
Boosting Photocatalytic Hydrogen Evolution via Synergistic Effects between 4H-SiC and Tetrapyridylporphyrin.
Mater. Today, **2025**, Submitted
174. A. B. Carbonaro, V. Greco, V. Pifferi, L. Falciola, E. Ciliberto, **A. Gulino**, A. Giuffrida
A Novel Flow Chemistry Approach to Covalent Functionalization of 3D Graphene Aerogels.
Carbon, **2025**, submitted.
173. N. Burduja, G. Nocito, M. Trapani, A. Riminucci, R. Di Corato, A. Nicosia, **A. Gulino**, P. G. Mineo, A. Mazzaglia.
A Supramolecular Assembly Made with Sulfobutylether- β -cyclodextrin and Magnetic Fe₃O₄ Showing Water Remediation Properties.
J. Molecular Liquids, **2025**, Submitted.
172. E. Saccullo, V. Patamia, A. Bifarella, A. Ferlazzo, R. Fiorenza, L. Spitaleri, G. Sfuncia, G. Nicotra, C. Zagni, M. T. Armeli Iapichino, **A. Gulino**, G. Floresta, A. Rescifina
Conversion of VOC-Derived CO₂ into Sustainable Products with a Natural Magnetic Alginate Composite
Int. J. Biol. Macromol., **2025**, Accepted
171. R. Fiorenza, L. Calantropo, E. La Greca, L. F. Liotta, **A. Gulino**, A. Ferlazzo, M. G. Musumeci, G. Proietto Salantri, S. C. Carroccio, G. Dativo, M. T. Armeli Iapichino, S. Scirè, G. Impellizzeri.
Solar-promoted photo-thermal CO₂ methanation on SiC/hydrotalcites-derived catalysts.
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170. L. Maugeri, G. Fangano, A. Ferlazzo, G. Forte, **A. Gulino**, S. Petralia

- A DNA biosensor integrating surface hybridization, thermo-responsive coating, laminar-flow technology and localized photothermal effect for efficient electrochemical detection of nucleic acids.
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169. S. Lo Schiavo, **A. Gulino**, M. E. Fragala, P. Mineo, A. Nicosia, R. H. Alia, P. Calorenni, A. Ferlazzo, M. S. Nicolò, F. De Leo, L. Falqui, C. Urzi.
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168. A. Ferlazzo, **A. Gulino**, G. Neri
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167. M. Failla, A. Ferlazzo, V. Abbate, G. Neri, E. Saccullo, **A. Gulino**, A. Rescifina, V. Patamia, G. Floresta.
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166. A. Ferlazzo, S. Bonforte, F. Florio, S. Petralia, L. Sorace, B. Muzzi, A. Caneschi, **A. Gulino**.
Photochemical Eco-Friendly Synthesis of Photothermal and Emissive Copper Nanoclusters in Water: Towards Sustainable Nanomaterials.
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165. R. Puglisi, L. M. Mancuso, R. Santonocito, **A. Gulino**, V. Oliveri, R. Ruffino, G. Li Destri, V. Muccilli, N. Cardullo, N. Tuccitto, A. Pappalardo, G. Sfuncia, G. Nicotra, M. Petroselli, F. Pappalardo, V. Zaccaria, G. Trusso Sfrassetto
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Synthesis and Unique Properties of High Purity HEA Nanoparticles Using Femtosecond Laser Ablation.
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163. G. M. L. Consoli, L. Maugeri, **A. Gulino**, L. D'Urso, G. Forte, G. Buscarino, P. Bonacci, N. Musso, S. Petralia
One-Pot Synthesis of Luminescent and Photothermal Carbon Boron-Nitride Quantum Dots Exhibiting Cell Damage Effect.
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162. M. T. Armeli Iapichino, R. Fiorenza, V. Patamia, G. Floresta, **A. Gulino**, M. Condorelli, G. Compagnini, S. Sciré
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161. L. Zhang, D. Fieser, Y. Li, B. Bera, D. Aaron, J. Chen, **A. Gulino**, G. Compagnini, Z. Feng, M. M. Mench. A. Hu.
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160. G. M. L. Consoli, L. Maugeri, G. Forte, G. Buscarino, **A. Gulino**, L. Lanzaò L. P. Bonacci, N. Musso, S. Petralia
Red light-triggerable nanohybrids of graphene oxide, gold nanoparticles and thermo-responsive polymers for combined photothermia and drug release effects.
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159. F. Vento, A. Nicosia, G. Raciti, L. Mezzina, **A. Gulino**, M. Condorelli, L. D'Urso, G. De Guidi, P. Mineo
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158. V. Iacono, M. Scuderi, M. L. Amoruso, **A. Gulino**, F. Ruffino, S. Mirabella
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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.
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152. G. Stella, M. Barcellona, L. Saitta, C. Tosto, G. Cicala, **A. Gulino**, M. Bucolo, M. E. Fragalà
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150. A. Scandurra, M. Censabella, **A. Gulino**, M. G. Grimaldi, F. Ruffino
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- xxx. G. Benfatto, F. Drago, L. Longo, S. Mansueto, L. Gozzo, D.C. Vitale, S. Amato, F. Basile, A. Blanco, V. Borzì, P. Cavallaro, S. Cilia, M. Conti, C. Cristaudo, L.D. Daidone, S. Di Fazzio, M. Di Mauro, R. Garozzo, G. Giardina, A. Gulino, L. Iachelli, M.L. La Bella, A. La Rosa, A. Lazzara, F. Leonardi, F. Lo Monaco, L. Malatino, T. Mattina, M. Negro, F. Palermo, S. Puleo, R. Raciti, M. Ruggieri, A. Sapuppo, R. Scillieri, S. Squatrito, F. Tanasi,
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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
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- 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).
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