


INFORMAZIONI PERSONALI **MASSIMO MESSORI**

 Politecnico di Torino
Dipartimento di scienza Applicata e Tecnologia
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ESPERIENZA LAVORATIVE

2021 - **Professore di I fascia in Scienza e tecnologia dei materiali**

Politecnico di Torino

Dipartimento di scienza Applicata e Tecnologia

- Attività didattica nel campo della scienza e della tecnologia dei materiali
- Attività di ricerca nel campo della preparazione, modifica e caratterizzazione di polimeri e compositi a matrice polimerica

2019 **Co-fondatore di Agromateriae s.r.l.s.**

Co-fondatore di Agromateriae s.r.l.s.. Agromateriae è una startup universitaria per la valorizzazione dei rifiuti agricoli e il loro utilizzo come additivi per le materie plastiche.

2017 - 2021 **Professore di I fascia in Scienza e tecnologia dei materiali**

Università degli Studi di Modena e Reggio Emilia

Dipartimento di Ingegneria 'Enzo Ferrari'

- Attività didattica nel campo della scienza e della tecnologia dei materiali polimerici
- Attività di ricerca nel campo della preparazione, modifica e caratterizzazione di polimeri e compositi a matrice polimerica

2017 **Co-fondatore di MAT3D s.r.l.**

Co-fondatore di MAT3D srl (www.mat3d.it). MAT3D è una spinoff interuniversitaria per la progettazione, lo sviluppo, la produzione e la commercializzazione di resine fotopolimerizzabili per la manifattura additiva (stereolitografia).

2002 - 2017 **Professore Associato di Scienza e Tecnologia dei Materiali**

Università degli Studi di Modena e Reggio Emilia

Dipartimento di Ingegneria 'Enzo Ferrari'

- Attività didattica nel campo della scienza e della tecnologia dei materiali polimerici
- Attività di ricerca nel campo della preparazione, modifica e caratterizzazione di polimeri e compositi a base polimerica

1999 - 2002 **Ricercatore di Chimica**

Università di Bologna

Dipartimento di Chimica Applicata e Scienza dei Materiali

- Attività didattica nel campo dei fondamenti chimici per l'ingegneria
- Attività di ricerca nel campo della preparazione, modifica e caratterizzazione di polimeri

ISTRUZIONE E FORMAZIONE

- 1997-1999 **Borsa di studio post-dottorato**
 Borsa di studio sponsorizzata da General Electric Co. (USA)
 - Campo di ricerca: Catalizzatori innovativi per la sintesi di poliesteri aromatici
- 1996 **Dottorato di Ricerca in Chimica Industriale**
 Università di Bologna
 Facoltà di Ingegneria
 Dipartimento di Chimica Applicata e Scienza dei Materiali
 - Titolo tesi di dottorato: Copolimeri a blocchi a base di perfluoropolietere: sintesi, caratterizzazione e applicazioni
- 1992 **Laurea in Chimica Industriale**
 Università di Bologna
 Facoltà di Chimica Industriale
 - Titolo tesi sperimentale: Sintesi di anidride ftalica e anidride maleica attraverso ossidazione di idrocarburi con catalizzatori a base di ossidi di vanadio misti

INCARICHI

- 2022 - **Coordinatore del Corso di Dottorato in Scienza e Tecnologia dei Materiali**
 Coordinatore del Corso di Dottorato in Scienza e Tecnologia dei Materiali del Politecnico di Torino (2022-2024)
- 2021 - **Vice-coordinatore del Collegio di Ingegneria Chimica e dei Materiali**
 Vice-coordinatore del Collegio di Ingegneria Chimica e dei Materiali del Politecnico di Torino (2021-2024)
- 2016 - 2021 **Delegato del Rettore per la Qualità e Coordinatore del Presidio della Qualità**
 Delegato del Rettore per la Qualità e Coordinatore del Presidio della Qualità dell'Università di Modena e Reggio Emilia
- 2016 - 2021 **Delegato del Rettore per la Qualità e Coordinatore del Presidio della Qualità**
 Referente per l'Università di Modena e Reggio Emilia per l'Associazione Cluster "SPRING - Sustainable processes and resources for innovation and national growth"
- 2016 - **Esperto disciplinare e di sistema ANVUR**
 Componente della Commissione di Esperti di Valutazione (CEV ANVUR) per l'accREDITamento iniziale e periodico delle Sedi e dei Corsi di Studio universitari dei seguenti Atenei: Università di Roma Sapienza (2019), Politecnico di Milano (2019), Università di Genova (2018) e IUAV Venezia (2016)

ATTIVITA' DI RICERCA

- Aree di ricerca** Attività di ricerca nel campo della scienza e della tecnologia dei polimeri.
 Specifiche aree di interesse sono:
- caratterizzazione chimico-fisica e meccanica di polimeri (materiali termoplastici e termoindurenti) e materiali compositi a matrice polimerica;
 - progettazione e sviluppo di formulazioni innovative di materiali polimerici;
 - progettazione e sintesi/modifica di strutture macromolecolari per applicazioni speciali.
- Le competenze sono state sviluppate e differenziate nel corso degli anni al fine di coprire diversi aspetti nella scienza e tecnologia dei materiali polimerici. In passato, i principali temi di ricerca sono stati:
- sintesi e caratterizzazione di copolimeri a blocchi contenenti segmenti di perfluoropolietere e loro utilizzo come modificatori di superficie per matrici plastiche;
 - studio di catalizzatori innovativi per la sintesi di poliesteri;
 - preparazione e caratterizzazione di rivestimenti ibridi organico-inorganici per la protezione e la

modifica di più substrati (plastica, vetro, metallo);

- preparazione e caratterizzazione di polimeri a memoria di forma;
- modifica delle proprietà meccaniche e funzionali attraverso la generazione in situ di cariche all'interno della matrice polimerica.

Attualmente, i principali interessi di ricerca sono focalizzati sulle seguenti aree:

- progettazione e sviluppo di resine fotopolimerizzabili per l'additive manufacturing (stereolitografia e digital light processing);
- progettazione e sviluppo di biopolimeri.

Oltre alle citate attività di ricerca scientifica, sono state svolte diverse collaborazioni di ricerca applicata di divisioni R&D di aziende attive nel campo della lavorazione delle materie plastiche per lo sviluppo di nuove formulazioni e nuovi materiali e per l'ottimizzazione dei processi produttivi.

Identificatori per la ricerca

ORCID ID: 0000-0003-3598-4241

Scopus ID: 6603906617

Researcher ID: 0000-0003-3598-4241

PUBBLICAZIONI

Articoli 2023

Giubilini, A., Colucci, G., De Trane, G., Lupone, F., Badini, C., Minetola, P., Bondioli, F., Messori, M. Novel 3D printable bio-based and biodegradable poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) microspheres for selective laser sintering applications (2023) *Materials Today Sustainability*, 22, art. no. 100379

Canepa, P., Canale, C., Cavalleri, O., Marletta, G., Messina, G.M.L., Messori, M., Novelli, R., Mattioli, S.L., Apparente, L., Detta, N., Romeo, T., Allegretti, M. Adsorption of the rhNGF Protein on Polypropylene with Different Grades of Copolymerization (2023) *Materials*, 16 (5), art. no. 2076

Taurino, R., Bondioli, F., Messori, M. Use of different kinds of waste in the construction of new polymer composites: review (2023) *Materials Today Sustainability*, 21, art. no. 100298

2022

Stanzani, V., Giubilini, A., Checchi, M., Bondioli, F., Messori, M., Palumbo, C. Eco-Sustainable Approaches in Bone Tissue Engineering: Evaluating the Angiogenic Potential of Different Poly(3-Hydroxybutyrate-Co-3-Hydroxyhexanoate)-Nanocellulose Composites with the Chorioallantoic Membrane Assay (2023) *Advanced Engineering Materials*, 25 (2), art. no. 2200934

Inverardi, N., Toselli, M., Scalet, G., Messori, M., Auricchio, F., Pandini, S. Stress-Free Two-Way Shape Memory Effect of Poly(ethylene glycol)/Poly(ϵ -caprolactone) Semicrystalline Networks (2022) *Macromolecules*, 55 (19), pp. 8533-8547

Togliatti, E., Pugliese, D., Giubilini, A., Messori, M., Milanese, D., Sciancalepore, C. Novel PBAT-Based Biocomposites Reinforced with Bioresorbable Phosphate Glass Microparticles (2022) *Macromolecular Symposia*, 405 (1), art. no. 2100238

Inverardi, N., Pandini, S., Gemmo, G., Toselli, M., Messori, M., Scalet, G., Auricchio, F. Reversible Stress-Driven and Stress-Free Two-Way Shape Memory Effect in a Sol-Gel Crosslinked Polycaprolactone (2022) *Macromolecular Symposia*, 405 (1), art. no. 2100254

Sciancalepore, C., Togliatti, E., Giubilini, A., Pugliese, D., Moroni, F., Messori, M., Milanese, D. Preparation and characterization of innovative poly(butylene adipate terephthalate)-based biocomposites for agri-food packaging application (2022) *Journal of Applied Polymer Science*, 139 (24), art. no. 52370

Degli Esposti, M., Bisi, F., Righi, V., Fabbri, P., Bondioli, F., Messori, M., Morselli, D. Epoxy resin/TiO₂ nanocomposites prepared by the Reactive Suspension Method: Dynamic-mechanical properties and their prediction by theoretical models (2022) *Materials Today Communications*, 31, art. no. 103347

Nanni, A., Colonna, M., Messori, M. Fabrication and characterization of new eco-friendly composites obtained by the complete recycling of exhausted coffee capsules (2022) *Composites Science and Technology*, 222, art. no. 109358

2021

Nuvoli, D., Montevicchi, G., Lovato, F., Masino, F., Van Der Borgh, M., Messori, M., Antonelli, A. Protein films from black soldier fly (*Hermetia illucens*, Diptera: Stratiomyidae) prepupae: effect of protein solubility and mild crosslinking (2021) *Journal of the Science of Food and Agriculture*, 101 (11), pp. 4506-4513.

Sciancalepore, C., Bondioli, F., Messori, M., Milanese, D. Printing and characterization of three-dimensional high-loaded nanocomposites structures (2021) *Material Design and Processing Communications*, 3 (4), art. no. e256.

Nanni, A., Parisi, M., Colonna, M., Messori, M. Thermo - mechanical and morphological properties of polymer composites reinforced by natural fibers derived from wet blue leather wastes: A comparative study (2021) *Polymers*, 13 (11), art. no. 1837.

Cosola, A., Sangermano, M., Terenziani, D., Conti, R., Messori, M., Grützmaier, H., Pirri, C.F., Chiappone, A. DLP 3D – printing of shape memory polymers stabilized by thermoreversible hydrogen

bonding interactions (2021) *Applied Materials Today*, 23, art. no. 101060.

Bouazza, A., Bassaid, S., Daho, B., Messori, M., Dehbi, A. Synthesis and characterization of a composite organic semiconductor (curcumin-paracetamol/TiO₂) (2021) *Polymers and Polymer Composites*, 29 (5), pp. 417-426.

Nanni, A., Cancelli, U., Montevecchi, G., Masino, F., Messori, M., Antonelli, A. Functionalization and use of grape stalks as poly(butylene succinate) (PBS) reinforcing fillers (2021) *Waste Management*, 126, pp. 538-548.

Giubilini, A., Bondioli, F., Messori, M., Nyström, G., Siqueira, G. Advantages of additive manufacturing for biomedical applications of polyhydroxyalkanoates (2021) *Bioengineering*, 8 (2), art. no. 29, pp. 1-31.

Nanni, A., Messori, M. Effect of the wine wastes on the thermal stability, mechanical properties, and biodegradation's rate of poly(3-hydroxybutyrate) (2021) *Journal of Applied Polymer Science*, 138 (3), art. no. 49713.

Giubilini, A., Sciancalepore, C., Messori, M., Bondioli, F. Valorization of oat hull fiber from agri-food industrial waste as filler for poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (2021) *Journal of Material Cycles and Waste Management*, 23 (1), pp. 402-408.

2020

Nanni, A., Ricci, A., Versari, A., Messori, M. Wine derived additives as poly(butylene succinate) (PBS) natural stabilizers for different degradative environments (2020) *Polymer Degradation and Stability*, 182, art. no. 109381.

Moroni, F., Musiari, F., Sciancalepore, C., Messori, M. Influence of atmospheric pressure plasma process parameters on the mechanical behavior of thermoplastic joints (2020) *International Journal of Adhesion and Adhesives*, 102, art. no. 102650.

Giubilini, A., Sciancalepore, C., Messori, M., Bondioli, F. New biocomposite obtained using poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBH) and microfibrillated cellulose (2020) *Journal of Applied Polymer Science*, 137 (32), art. no. 48953.

Nanni, A., Messori, M. Effect of the wine lees wastes as cost-advantage and natural fillers on the thermal and mechanical properties of poly(3-hydroxybutyrate-co-hydroxyhexanoate) (PHBH) and poly(3-hydroxybutyrate-co-hydroxyvalerate) (PHBV) (2020) *Journal of Applied Polymer Science*, 137 (28), art. no. 48869.

Giubilini, A., Siqueira, G., Clemens, F.J., Sciancalepore, C., Messori, M., Nyström, G., Bondioli, F. 3D-Printing Nanocellulose-Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) Biodegradable Composites by Fused Deposition Modeling (2020) *ACS Sustainable Chemistry and Engineering*, 8 (27), pp. 10292-10302.

Daniele, V., Macera, L., Taglieri, G., Di Giambattista, A., Spagnoli, G., Massaria, A., Messori, M., Quagliarini, E., Chiappini, G., Campanella, V., Mummolo, S., Marchetti, E., Marzo, G., Quinzi, V. Thermoplastic disks used for commercial orthodontic aligners: Complete physicochemical and mechanical characterization (2020) *Materials*, 13 (10), art. no. 2386.

Giovanardi, R., Bononi, M., Messori, M., Bargellini, A., Paduano, S., Borella, P., Marchesi, I. Corrosion resistance of commonly used plumbing materials for water distribution systems exposed to disinfection treatments (2020) *Corrosion Engineering Science and Technology*, 55 (3), pp. 224-231

Nanni, A., Messori, M. Thermo-mechanical properties and creep modelling of wine lees filled Polyamide 11 (PA11) and Polybutylene succinate (PBS) bio-composites (2020) *Composites Science and Technology*, 188, art. no. 107974

Signorini, C., Nobili, A., Sola, A., Messori, M. Designing epoxy viscosity for optimal mechanical performance of coated Glass Textile Reinforced Mortar (GTRM) composites (2020) *Construction and Building Materials*, 233, art. no. 117325

Signorini, C., Nobili, A., Sola, A., Messori, M. Optimal epoxy dilution for epoxy-coated textile reinforced mortar (Trm): An experimental perspective (2020) *Lecture Notes in Mechanical Engineering*, pp. 499-

511

2019

Bouabdallah Daho, Fontanesi, C., Messori, M., Dehbi, A., Belfedal, A. Synthesis and Characterization of Semiconductor Polymer Doped with FeCl₃ and I₂ (2019) *Semiconductors*, 53 (12), pp. 1656-1664

Messori, M., Nobili, A., Signorini, C., Sola, A. Effect of high temperature exposure on epoxy-coated glass textile reinforced mortar (GTRM) composites (2019) *Construction and Building Materials*, 212, pp. 765-774

Nanni, A., Battezzore, D., Frache, A., Messori, M. Thermal and UV aging of polypropylene stabilized by wine seeds wastes and their extracts (2019) *Polymer Degradation and Stability*, 165, pp. 49-59

Barrera, G., Tiberto, P., Sciancalepore, C., Messori, M., Bondioli, F., Allia, P. Verwey transition temperature distribution in magnetic nanocomposites containing polydisperse magnetite nanoparticles (2019) *Journal of Materials Science*, 54 (11), pp. 8346-8360

Molavi, F.K., Ghasemi, I., Messori, M., Esfandeh, M. Design and Characterization of Novel Potentially Biodegradable Triple-Shape Memory Polymers Based on Immiscible Poly(L-lactide)/Poly(ϵ -caprolactone) Blends (2019) *Journal of Polymers and the Environment*, 27 (3), pp. 632-642

Oulmou, F., Benhamida, A., Dorigato, A., Sola, A., Messori, M., Pegoretti, A. Effect of expandable and expanded graphites on the thermo-mechanical properties of polyamide 11 (2019) *Journal of Elastomers and Plastics*, 51 (2), pp. 175-190

Sola, A., Bertacchini, J., D'Avella, D., Anselmi, L., Maraldi, T., Marmiroli, S., Messori, M. Development of solvent-casting particulate leaching (SCPL) polymer scaffolds as improved three-dimensional supports to mimic the bone marrow niche (2019) *Materials Science and Engineering C*, 96, pp. 153-165

Benobeidallah, B., Benhamida, A., Dorigato, A., Sola, A., Messori, M., Pegoretti, A. Structure and properties of polyamide 11 nanocomposites filled with fibrous palygorskite clay (2019) *Journal of Renewable Materials*, 7 (1), pp. 89-102

2018

Scalet, G., Pandini, S., Messori, M., Toselli, M., Auricchio, F. A one-dimensional phenomenological model for the two-way shape-memory effect in semi-crystalline networks (2018) *Polymer*, 158, pp. 130-148. DOI: 10.1016/j.polymer.2018.10.027

Messori, M., Nobili, A., Signorini, C., Sola, A. Mechanical performance of epoxy coated AR-glass fabric Textile Reinforced Mortar: Influence of coating thickness and formulation (2018) *Composites Part B: Engineering*, 149, pp. 135-143. DOI: 10.1016/j.compositesb.2018.05.023

Borsacchi, S., Sudhakaran, U.P., Calucci, L., Martini, F., Carignani, E., Messori, M., Geppi, M. Rubber-filler interactions in polyisoprene filled with in situ generated silica: A solid state NMR study (2018) *Polymers*, 10 (8), art. no. 822. DOI: 10.3390/polym10080822

Taormina, G., Sciancalepore, C., Messori, M., Bondioli, F. Advanced resins for stereolithography: In situ generation of silver nanoparticles (2018) *AIP Conference Proceedings*, 1981, art. no. 020065. DOI: 10.1063/1.5045927

Taormina, G., Sciancalepore, C., Messori, M., Bondioli, F. 3D printing processes for photocurable polymeric materials: technologies, materials, and future trends (2018) *Journal of Applied Biomaterials and Functional Materials*, 16 (3), pp. 151-160. DOI: 10.1177/2280800018764770

Nanni, A., Messori, M. A comparative study of different winemaking by-products derived additives on oxidation stability, mechanical and thermal properties of polypropylene (2018) *Polymer Degradation and Stability*, 149, pp. 9-18. DOI: 10.1016/j.polymdegradstab.2018.01.012

Sciancalepore, C., Gualtieri, A.F., Scardi, P., Flor, A., Allia, P., Tiberto, P., Barrera, G., Messori, M., Bondioli, F. Structural characterization and functional correlation of Fe₃O₄ nanocrystals obtained using 2-ethyl-1,3-hexanediol as innovative reactive solvent in non-hydrolytic sol-gel synthesis (2018) *Materials Chemistry and Physics*, 207, pp. 337-349. DOI: 10.1016/j.matchemphys.2017.12.089

Taormina, G., Sciancalepore, C., Bondioli, F., Messori, M. Special resins for stereolithography: In situ generation of silver nanoparticles (2018) *Polymers*, 10 (2), art. no. 212. DOI: 10.3390/polym10020212

Checchi, M., Bertacchini, J., Grisendi, G., Smargiassi, A., Sola, A., Messori, M., Palumbo, C. Proposal of a novel natural biomaterial, the scleral ossicle, for the development of vascularized bone tissue in vitro (2018) *Biomedicines*, 6 (1), art. no. 3. DOI: 10.3390/biomedicines6010003

Barbi, S., Messori, M., Manfredini, T., Pini, M., Montorsi, M. Rational design and characterization of bioplastics from *Hermetia illucens* prepupae proteins (2018) *Biopolymers*, art. no. e23250. DOI: 10.1002/bip.23250

Oulmou, F., Benhamida, A., Dorigato, A., Sola, A., Messori, M., Pegoretti, A. Effect of expandable and expanded graphites on the thermo-mechanical properties of polyamide 11 (2018) *Journal of Elastomers and Plastics*. DOI: 10.1177/0095244318781956

2017

Sciancalepore, C., Moroni, F., Messori, M., Bondioli, F. Acrylate-based silver nanocomposite by simultaneous polymerization–reduction approach via 3D stereolithography (2017) *Composites Communications*, 6, pp. 11-16. DOI: 10.1016/j.coco.2017.07.006

Gullo, M., Sola, A., Zanichelli, G., Montorsi, M., Messori, M., Giudici, P. Increased production of bacterial cellulose as starting point for scaled-up applications (2017) *Applied Microbiology and Biotechnology*, 101 (22), pp. 8115-8127. DOI: 10.1007/s00253-017-8539-3

Khademeh Molavi, F., Ghasemi, I., Messori, M., Esfandeh, M. Nanocomposites based on poly(L-lactide)/poly(ϵ -caprolactone) blends with triple-shape memory behavior: Effect of the incorporation of graphene nanoplatelets (GNPs) (2017) *Composites Science and Technology*, 151, pp. 219-227. DOI: 10.1016/j.compscitech.2017.08.021

Barrera, G., Sciancalepore, C., Messori, M., Allia, P., Tiberto, P., Bondioli, F. Magnetite-epoxy nanocomposites obtained by the reactive suspension method: Microstructural, thermo-mechanical and magnetic properties (2017) *European Polymer Journal*, 94, pp. 354-365. DOI: 10.1016/j.eurpolymj.2017.07.022

Pandini, S., Agnelli, S., Merlettini, A., Chiellini, F., Gualandi, C., Paderni, K., Focarete, M.L., Messori, M., Toselli, M. Multifunctional Electrospun Nonwoven Mats with Two-Way Shape Memory Behavior Prepared from Sol–Gel Crosslinked Poly(ϵ -Caprolactone) (2017) *Macromolecular Materials and Engineering*, 302 (8), art. no. 1600519 DOI: 10.1002/mame.201600519

Boumezgane, O., Messori, M. Poly(ethylene glycol)-based shape-memory polymers (2017) *International Journal of Polymer Analysis and Characterization*, 22 (5), pp. 463-471. DOI: 10.1080/1023666X.2017.1324589

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Tana, F., Messori, M., Contini, D., Cigada, A., Valente, T., Variola, F., De Nardo, L., Bondioli, F. Synthesis and characterization of scratch-resistant hybrid coatings based on non-hydrolytic sol-gel ZrO₂ nanoparticles (2017) *Progress in Organic Coatings*, 103, pp. 60-68. DOI: 10.1016/j.porgcoat.2016.11.022

Sciancalepore, C., Bondioli, F., Messori, M. Non-hydrolytic sol–gel synthesis and reactive suspension method: an innovative approach to obtain magnetite–epoxy nanocomposite materials (2017) *Journal of Sol-Gel Science and Technology*, 81 (1), pp. 69-83. DOI: 10.1007/s10971-016-4095-z

Marziano, M., Tonello, S., Serzanti, M., Borghetti, M., Lopomo, N.F., Serpelloni, M., Pandini, S., Merlettini, A., Gualandi, C., Focarete, M.L., Messori, M., Toselli, M., Uberti, D., Memo, M., Dell’Era, P., Sardini, E. Carbon on poly(ϵ -caprolactone) (PCL) ink-jet printed sensor for monitoring cell cultures of myoblasts (2017) *IFMBE Proceedings*, 65, pp. 783-786. DOI: 10.1007/978-981-10-5122-7_196

2016

Fabbri, P., Messori, M. Surface Modification of Polymers: Chemical, Physical, and Biological Routes (2016) *Modification of Polymer Properties*, pp. 109-130. DOI: 10.1016/B978-0-323-44353-1.00005-1

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Yahyaei, H., Mohseni, M., Ghanbari, H., Messori, M. Synthesis and characterization of polyhedral oligomeric titanized silsesquioxane: A new biocompatible cage like molecule for biomedical application (2016) *Materials Science and Engineering C*, 61, pp. 293-300. DOI: 10.1016/j.msec.2015.12.048

Lashgari, S., Karrabi, M., Ghasemi, I., Azizi, H., Messori, M., Paderni, K. Shape memory nanocomposite of poly(L-lactic acid)/graphene nanoplatelets triggered by infrared light and thermal heating (2016) *Express Polymer Letters*, 10 (4), pp. 349-359. DOI: 10.3144/expresspolymlett.2016.32

Lashgari, S., Karrabi, M., Ghasemi, I., Azizi, H., Messori, M. Graphene nanoplatelets dispersion in poly(L-lactic acid): preparation method and its influence on electrical, crystallinity and thermomechanical properties (2016) *Iranian Polymer Journal (English Edition)*, 25 (2), pp. 193-202. DOI: 10.1007/s13726-015-0413-5

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2015

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Yari, H., Mohseni, M., Messori, M. Toughened acrylic/melamine thermosetting clear coats using POSS molecules: Mechanical and morphological studies (2015) *Polymer (United Kingdom)*, 63, pp. 19-29. DOI: 10.1016/j.polymer.2015.02.040

Sciancalepore, C., Bondioli, F., Messori, M., Barrera, G., Tiberto, P., Allia, P. Epoxy nanocomposites functionalized with in situ generated magnetite nanocrystals: Microstructure, magnetic properties, interaction among magnetic particles (2015) *Polymer (United Kingdom)*, 59, pp. 278-289. DOI: 10.1016/j.polymer.2014.12.047

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12.05.2023

Firmato digitalmente da: Massimo Messori

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