

Prof. Dr. Placido Mineo – Publications list

- 111) Casting Light on Intracellular Tracking of a New Functional Graphene-Based MicroRNA Delivery System by FLIM and Raman Imaging
Anna Piperno, Antonino Mazzaglia, Angela Scala, Rosamaria Pennisi, Roberto Zagami, Giulia Neri, Serena M. Torcasio, Consolato Rosmini, Placido G. Mineo, Monica Potara, Monica Focsan, Simion Astilean, Grace Guoying Zhou, Maria Teresa Sciortino
ACS Appl. Mater. Interfaces, in press; DOI: 10.1021/acsami.9b15826
- 110) Supramolecular Structures Formed in Water by Graphene Oxide and Nonionic PEGylated Porphyrin: Interaction Mechanisms and Fluorescence Quenching Effects
Norberto Micali, Placido Mineo, Fabiana Vento, Angelo Nicosia, Valentina Villari
J. Phys. Chem. C 2019, 123, 42, 25977-25984; doi: 10.1021/acs.jpcc.9b06800
- 109) SERS Sensing Properties of new Graphene/Gold Nanocomposite
Giulia Neri, Enza Fazio, Placido G. Mineo, Angela Scala and Anna Piperno
Nanomaterials 2019, 9, 1236; doi:10.3390/nano9091236
- 108) Supramolecular Detection of Nerve Agents Simulant by Fluorescent Zn-Salen Oligomer Receptors
Roberta Puglisi, Placido G. Mineo, Andrea Pappalardo, Antonino Gulino, and Giuseppe Trusso Sfrassetto
- Molecules, 2019, 24, 2160; doi:10.3390/molecules24112160
- 107) An optical sensor of acidity in fuels based on a porphyrin derivative
Placido G. Mineo, Fabiana Vento, Antonio Abbadessa, Emilio Scamporrino, Angelo Nicosia
-Dyes and Pigments 161 (2019) 147–154
- 106) Novel Luminescent Ionic Adducts Based on Pyrene-1-sulfonate
Maria Angela Castriciano, Paola Cardiano, Enza Fazio, Placido Giuseppe Mineo, Angelo Nicosia, Roberto Zagami, Mariachiara Trapani, Luigi Monsù Scolaro, Sandra Lo Schiavo
- ACS Omega 2018, 3, 18811–18820
- 105) “Clickable” polylactic acids obtained by solvent free intra-chain amidation
Angela Scala, Anna Piperno, Serena M. Torcasio, Angelo Nicosia, Placido G. Mineo Giovanni Grassi
-European Polymer Journal 109 (2018) 341–346
- 104) “Click” on PLGA-PEG and hyaluronic acid: Gaining access to anti-leishmanial pentamidine bioconjugates
Angela Scala Anna Piperno Nicola Micale Placido G. Mineo Antonio Abbadessa Roberta Risoluti Germano Castelli Federica Bruno Fabrizio Vitale Antonio Cascio Giovanni Grassi
- Applied Biomaterials, J Biomed Mater Res Part B 2018, 106B, 2778-2785
- 103) PEGylate porphyrin-gold nanoparticles conjugates as removable pH-sensor nano-probes for acidic environments

Placido G. Mineo, Antonio Abbadessa, Antonio Rescifina, Antonino Mazzaglia,
Angelo Nicosia, Andrea A. Scamporrino
- Colloids and Surfaces A 546 (2018) 40–47

- 102) DNA intercalators based on (1,10-phenanthroline-2-yl)isoxazolidin-5-yl core with better growth inhibition and selectivity than cisplatin upon head and neck squamous cells carcinoma
Maria G. Varrica, Chiara Zagni, Placido G. Mineo, Giuseppe Floresta, Giulia Monciino, Venerando Pistarà, Antonio Abbadessa, Angelo Nicosia, Rogerio M. Castilho, Emanuele Amata, Antonio Rescifina
- European Journal of Medicinal Chemistry 143 (2018) 583-590
- 101) Synthesis, CO₂ sorption and capacitive properties of novel protic poly(ionic liquid)s
Cardiano P, Gómez-Laserna P, Mineo P, Furia E, Triolo C, Patanè S, Lo Schiavo S
- Journal of Molecular Liquids 2017, 241, 222–230
- 100) Gold nanoparticles functionalized with PEGylate uncharged porphyrins
Mineo, P., Abbadessa, A., Mazzaglia, A., Gulino, A., Villari, V., Micali, N., Millesi, S., Satriano, C., Scamporrino, E.
-Dyes and Pigments, 2017, 141, 225-234
- 99) Synthesis, characterization and aggregation behavior of room temperature ionic liquid based on porphyrin- trihexyl(tetradecyl)phosphonium adduct
Zagami, R., Trapani, M., Castriciano, M.A., Romeo, A., Mineo, P.G., Scolaro, L.M.
-Journal of Molecular Liquids, 2017, 229, 51-57
- 98) Silibinin-Conjugated Graphene Nanoplatfrom: Synthesis, Characterization and Biological Evaluation
Giulia Neri, Nicola Micale, Angela Scala, Enza Fazio, Antonino Mazzaglia, Placido G. Mineo, Monica Montesi, Silvia Panseri, Anna Tampieri, Giovanni Grassi and Anna Piperno
-FlatChem, 2017, 1, 34–41
- 97) Synthesis and Characterization of Copolycarbonates Having Azobenzene Units in Main Chain as an Active Group for Optical Logic Gate Devices
Placido G. Mineo, Antonio Rescifina, Antonino Abbadessa, Roberto Rapisardi, Andrea A. Scamporrino, Fabiola Spitaleri
-Polym. Chem., 2016, 7, 6318–6329
- 96) Sequestration ability of task specific ionic liquids towards cations of environmental interest
P. Cardiano, C. Foti, P. G. Mineo, M. Galletta, F. Risitano, S. Lo Schiavo
-Journal of Molecular Liquids, 2016, 223, 174–181
- 95) Supramolecular Polymer Networks Based on Calix[5]arene Chained Poly(p-phenyleneethynylene) and C₆₀ Fullero-pyrrolidine
A. Fraix, V. Torrisi, G. Marletta, S. Sortino, P. G. Mineo, G. A. Tomaselli, F. P. Ballistreri, G. Trusso Sfrassetto and A. Pappalardo
-Supramolecular Chemistry, 2016, 28(5-6), 485-492; DOI: 10.1080/10610278.2015.1122788
- 94) A chemical address for the Morse Code
Domenico A. Cristaldi, Salvatrice Millesi, Placido Mineo, Antonino Gulino
-Journal of Luminescence 169 (2016) 348–352; DOI: 10.1016/j.jlumin.2015.10.004

- 93) Hyaluronic acid-pentamidine bioconjugate as macrophage mediated drug targeting delivery system for the treatment of Leishmaniasis
N. Micale, A. Piperno, N. Mahfoudh, U. Schurigt, M. Schultheis, P.G. Mineo, T. Schirmeister, A. Scala, G. Grassi
-RSC Adv., 2015, 5, 95545–95550, DOI: 10.1039/C5RA18019H
- 92) New Evidence About the Spontaneous Symmetry Breaking: Action of an Asymmetric Weak Heat Source
Placido Mineo, Valentina Villari, Emilio Scamporrino, Norberto Micali
-J. Phys. Chem. B, 2015, 119, 12345–12353; DOI: 10.1021/acs.jpcc.5b07199
- 91) Repurposing of oxazolone chemistry gaining access to functionalized graphene nanosheets in a top-down approach from graphite
Giulia Neri, Angela Scala, Enza Fazio, Placido G. Mineo, Antonio Rescifina, Anna Piperno, Giovanni Grassia
Chemical Science, 2015, 6, 6961, DOI: 10.1039/C5SC02576A
- 90) Circularly polarized luminescence under near-UV excitation and structural elucidation of a Eu Complex
Francesco Zinna, Claudio Resta, Sergio Abbate, Ettore Castiglioni, Giovanna Longhi, Placido Mineo, Lorenzo Di Bari
Chem. Commun., 2015, 51, 11903-11906; DOI: 10.1039/C5CC04283F
- 89) Hydrodynamic and Thermophoretic Effects on the Supramolecular Chirality of Pyrene-Derived Nanosheets
Norberto Micali, Mykhailo Vybornyi, Placido Mineo, Oleg Khorev, Robert Häner, Valentina Villari
Chem. Eur. J. 2015, 21, 9505 – 9513.
- 88) Thermally reversible highly cross-linked polymeric materials based on furan/maleimide Diels-Alder adducts
Placido Mineo, Vincenzina Barbera, Giovanni Romeo, Fabrizia Ghezzi, Emilio Scamporrino, Fabiola Spitaleri and Ugo Chiacchio
J. Appl. Polym. Sci. 2015, 132, 42314.
- 87) Engineering of carbon based nanomaterials by ring-opening reaction of reactive azlactone graphene platform
G. Neri, A. Scala, F. Barreca, E. Fazio, P. G. Mineo, A. Mazzaglia, G. Grassia, A. Piperno
Chemical Communications, 2015, 51, 4846 - 4849 DOI: 10.1039/C5CC00518C
- 86) Highly untangled multiwalled carbon nanotube@polyhedral oligomeric silsesquioxane ionic hybrids: synthesis, characterization and nonlinear optical properties
Paola Cardiano, Enza Fazio, Giuseppe Lazzara, Sundar Manickam, Stefana Milioto, Fortunato Neri, Placido G. Mineo, Anna Piperno and Sandra Lo Schiavo
Carbon, 86 (2015) 325 – 337; 10.1016/j.carbon.2015.01.047
- 85) An α 1-adrenergic receptor ligand repurposed as a potent antiproliferative agent for head and neck squamous cell carcinoma
Chiara Zagni, Douglas Magno Guimaraes, Loredana Salerno, Francesco Punzo, Cristiane H. Squarize, Placido Giuseppe Mineo, Giuseppe Romeo and Antonio Rescifina
RSC Adv., 2015, 5, 6536

- 84) DNA Recognition with Polycyclic-Aromatic-Hydrocarbon-Presenting Calixarene Conjugates
Antonio Rescifina, Chiara Zagni, Placido G. Mineo, Salvatore V. Giofrè, Ugo Chiacchio,
Stefano Tommasone, Carmen Talotta, Carmine Gaeta, Placido Neri
Eur. J. Org. Chem. , 2014, 7605–7613
- 83) Facile synthesis of boronic acids on a BODIPY core with promising sensitivity towards polyols
Massimiliano Cordaro, Placido Mineo, Francesco Nastasi, Giuseppe Magazzù
RSC Advances, 2014, 4, 43931
- 82) Star-Shaped Quaternary Alkylammonium Polyhedral Oligomeric Silsesquioxane Ionic Liquids
Sundar Manickam, Paola Cardiano, Placido G. Mineo and Sandra Lo Schiavo
European Journal of Inorganic Chemistry, 2014 DOI:10.1002/ejic.201402005
Eur. J. Inorg. Chem. 2014, 2704–2710
- 81) A porphyrin/ β -cyclodextrin conjugated nano-system having a Pan-Lid molecular structure for
smart drug carrier applications
Placido Mineo
Organic & Biomolecular Chemistry, 2014, 12, 3663
- 80) A Star polymer based on a polyethyleneglicol with a porphyrinic core as a photosensitizer agent
for application in Photodynamic Therapy: tests in vitro on human erythrocytes
Placido Mineo, Caterina Faggio, Norberto Micali, Emilio Scamporrino, Valentina Villari
RSC Advances, 2014, 4, 19389
- 79) Production of filmable medium-chain-length polyhydroxyalkanoates produced from glycerol
by *Pseudomonas mediterranea*
Francesco Pappalardo, Manuela Fragalà, Placido G. Mineo, Arcangelo Damigella, Antonino
F. Catara, Rosa Palmeri, Antonio Rescifina,
Int. J. Biol. Macromol., 65 (2014) 89– 96
WOS:
2-s2.0-84893161453
- 78) Supramolecular chirality induced by a weak thermal force
Placido Mineo, Valentina Villari, Emilio Scamporrino, Norberto Micali
Soft Matter, 2014, 10 (1), 44 – 47; DOI:10.1039/C3SM52322E
WOS:000327849000004
2-s2.0-84889602219
- 77) Supramolecular Assemblies based on Complexes of Nonionic Amphiphilic Cyclodextrins and a
meso-Tetra (4-sulfonatophenyl)porphine Tributyltin(IV) derivative: Potential Nanotherapeutics
against Melanoma.
Antonino Mazzaglia, Maria Luisa Bondì, Angela Scala, Francesca Zito, Giovanna Barbieri,
Francesco Crea, Giuseppina Vianelli, Placido Mineo, Tiziana Fiore, Claudia Pellerito, Lorenzo
Pellerito, Maria Assunta Costa
- *Biomacromolecules*, 2013, 14 (11), pp 3820–3829; doi:10.1021/bm400849n
WOS:000326955900003
s2.0-84887567106
- 76) Synthesis and characterization of copolyformals containing electron-rich or electron-poor
porphyrin units in the main chain and their use as sensors

P. Mineo, E. Scamporrino, E. Spina, D. Vitalini
- Sensors and Actuators B 188 (2013) 1284– 1292
WOS:000326345600173
2-s2.0-84883895979

75) Europium Complex Covalently Grafted on Si(100) Surfaces, Engineered with Covalent Polystyrene Nanostructures
Domenico A. Cristaldi, Salvatrice Millesi, Placido Mineo, Antonino Gulino
-J. Phys. Chem. C 2013, 117, 16213–16220
WOS:000323082300042
2-s2.0-84881460762

74) A Water Soluble Macromolecular Nanobox Having Porphyrinic Walls as a Large Host for Giant Guests
Placido Mineo, Fabiola Spitaleri, Emilio Scamporrino
-Journal of Polymer Science, part A: Polymer Chemistry; 2013, 51 (6) , 1428–1435
WOS:000314975700018
2-s2.0-84873633763

73) Covalent poly(methyl methacrylate) nanostructures on functionalized Si(100) surfaces
Placido G. Mineo, D. A. Cristaldi, Alessandro Motta, Tarkeshwar Gupta, Antonino Gulino
-RSC Advances, 2013, 3,1137
WOS:000312390000025
2-s2.0-84871801440

72) Role of the Hydrogen-Bond in Porphyrin J-Aggregates
Valentina Villari, Placido Mineo, Emilio Scamporrino, Norberto Micali
RSC Advances, 2012, 2, 12989–12998
WOS:000312149600066
2-s2.0-84870037373

71) Spontaneous Self-assembly of Water-soluble Porphyrins having poly(ethylene glycol) as branches: Dependence of Aggregate Properties from the Building Block Architecture
Villari V., Mineo P., Scamporrino E., Micali N.
Chemical Physics, 2012, 409, 23–31
WOS:000311636500003
2-s2.0-84870292053

70) POSS-Tetraalkylammonium Salts: A New Class of Ionic Liquids
Cardiano, Paola; Lazzara, Giuseppe; Manickam, Sundar; Mineo, Placido; Milioto, Stefana; Lo Schiavo, Sandra
European Journal of Inorganic Chemistry, 2012, 5668–5676
WOS:000311564900010
2-s2.0-84870207974

69) Supramolecular Polymer Networks Based on Calix[5]arene Tethered Poly(p-phenyleneethynylene)
Andrea Pappalardo, Francesco P. Ballistreri, Giovanni Li Destri, Placido G. Mineo, Gaetano A. Tomaselli, Rosa M. Toscano, Giuseppe Trusso Sfrazzetto
-Macromolecules, 2012, 45(18), 7549-7556

WOS:000309041100027
2-s2.0-84866651141

- 68) Reading of Protein Surfaces in the Native State at Micromolar Concentrations by a Chirogenetic Porphyrin Probe
Placido Mineo, Norberto Micali, Valentina Villari, Maria Grazia Donato, Emilio Scamporrino
-Chemistry - A European Journal 2012, 18, 12452 –12457
WOS:000308879000035
2-s2.0-84866421118
- 67) Aggregation of cyclic porphyrin-based supramolecular architectures
V. Villari, P. Mineo, E. Scamporrino, C. Corsaro, N. Micali
- Chapter of the Book: Complex Materials in Physics and Biology, 361-369, (2012); IOS press
- 66) Fast and reversible CO₂ quartz crystal microbalance response of vinylimidazolium-based poly(ionic liquid)s
Placido G. Mineo, Letizia Livoti, Sandra Lo Schiavo, Paola Cardiano
Polym. Adv. Technol., 2012, 23 1511–1519
WOS:000309916200012
2-s2.0-84867646885
- 65) Water-Soluble Star Polymers with a Phthalocyanine as the Core and Poly(ethylene glycol) Chains as Branches
Placido Mineo, Rossana Alicata, Norberto Micali, Valentina Villari, Emilio Scamporrino
Journal of Applied Polymer Science, 126, 1359–1368 (2012)
WOS:000307005300021
2-s2.0-84864766336
- 64) Amino acids recognition by water-soluble uncharged porphyrin tweezers: Spectroscopic evidences in high optical density solutions
Valentina Villari, Placido Mineo, Emilio Scamporrino, Norberto Micali
Chemical Physics 402 (2012) 118–123
WOS:000305085800016
2-s2.0-84861879427
- 63) “Derivati oligo-porfirinici idrosolubili e loro derivati metallici con proprietà complessanti per il riconoscimento e/o trasporto di biomolecole per applicazioni farmacologiche e nel campo dei sensori molecolari”
P. Mineo, E. Scamporrino
-Deposito Brevetto N° CT2012A000007
- 62) Properties of uncharged water-soluble tetra(o-methoxypolyethyleneoxy) Phthalocyanine free base: Viable switching of the optical response by means of H₃O⁺ ions
Placido Mineo, Fabio Lupo, Ignazio Fragalà, Emilio Scamporrino, Antonino Gulino
-Journal of Luminescence 132 (2012) 409–413
WOS:000298269600029
2-s2.0-80053354366
- 61) Thiophene Based Europium β -Diketonate Complexes: Effect of the Ligand Structure on the Emission Quantum Yield
Christelle Freund, William Porzio, Umberto Giovanella, Francesco Vignali, Mariacecilia

Pasini, and Silvia Destri , Agnieszka Mech , Sebastiano Di Pietro and Lorenzo Di Bari , Placido Mineo

-Inorganic Chemistry (2011), 50(12), 5417-5429

WOS:000291422100019

2-s2.0-79958775150

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

Mineo, Placido; Motta, Alessandro; Lupo, Fabio; Renna, Lucio; Gulino, Antonino

-Journal of Physical Chemistry C (2011), 115(25), 12293-12298

WOS:000291896000008

2-s2.0-79959505913

- 59) Covalent Nano-Clip and Nano-Box Compounds Based on Free Base Porphyrins

Emilio Scamporrino, Placido Mineo, Daniele Vitalini

-Tetrahedron, 2011, 67, 3705-3713

WOS:000290889600015

2-s2.0-79955521288

- 58) Synthesis and Characterization of New Copolyacrylates Containing Porphyrin Units as Pendant Groups and Their Use as Sensors.

S. Dattilo, P. Mineo, E. Scamporrino, E. Spina, D. Vitalini

-Journal of Polymer Science Part A: Polymer Chemistry, 2011, 49(3), 796-802

WOS:000286689000024

2-s2.0-78650815517

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

Placido G. Mineo, Letizia Livoti, Marco Giannetto, Antonino Gulino, Sandra Lo Schiavo, Paola Cardiano

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

WOS:000271907800022

2-s2.0-70450169064

- 56) Polyethersulfone-Epoxy Terminated Materials as Thermosetting Resins for Microelectronic Devices.

E. Scamporrino, P. Mineo, A. Scamporrino, S. Dattilo, D. Vitalini, R. Alicata

-Journal of Polymer Science Part A: Polymer Chemistry 2009 – 47(12) Pages 5682 – 5689

WOS:000271669700010

2-s2.0-70349759686

- 55) MALDI, AP/MALDI and ESI techniques for the MS detection of amyloid β -peptides

Giuseppe Grasso, , Placido Mineo, Enrico Rizzarelli and Giuseppe Spoto

-International Journal of Mass Spectrometry 282 (2009) 50–55

WOS:000265307700008

2-s2.0-62849088434

- 54) Nature of a Low Molar Mass Peak in Anionic Poly(ϵ -caprolactam). Main Aspects of Its Formation.

Ricco, Laura; Casazza, Elena; Mineo, Placido; Russo, Saverio; Scamporrino, Emilio.

-Macromolecules 2008, 41(11), 3904-3911.

WOS:000256393500025

- 53) Selective monitoring of parts per million levels of CO by covalently immobilized metal complexes on glass
Antonino Gulino, Tarkeshwar Gupta, Marc Altman, Sandra Lo Schiavo, Placido G. Mineo, Ignazio L. Fragalà, Guennadi Evmenenko, Pulak Dutta and Milko E. van der Boom
-Chem. Commun., (2008), (25), 2900-2902
WOS:000256924500017
2-s2.0-45549108311
- 52) NO₂ Sensing Ability of a Monolayer of Cobalt(II) Porphyrin Molecules Covalently Assembled on a Engineered Silica Substrate
Antonino Gulino, Placido Mineo, Ignazio Fragalà
-Inorganica Chimica Acta 361 (2008), pp. 3877-3881
WOS:000258664800018
2-s2.0-49549084169
- 51) A new application of ionic liquids: hydrophobic properties of tetraalkylammonium-based poly(ionic liquid)s.
Mineo, Placido G.; Cardiano, Paola; Neri, Fortunato; Lo Schiavo, Sandra; Piraino, Pasquale
-Journal of Materials Chemistry (2008), 18, (11), 1253-1260
WOS:000253751600013
2-s2.0-40349098642
- 50) Copolieteresolfoni-epossidati termoindurenti auto-catalizzati: preparazione ed uso come colle isolanti ad alta prestazione per assemblaggi in microelettronica
P. Mineo, E. Scamporrino, D. Vitalini
-Deposito Brevetto N° CT2008A000003 (2008)
- 49) Synthesis, Characterization and Nucleotidic Chain Cleavage Ability of Uncharged Water Soluble Poly(ethylene glycol)-Fullerene Derivatives with an Amphiphilic Character.
Daniele Vitalini, Emanuela Spina, Sandro Dattilo, Placido Mineo, Emilio Scamporrino
-Journal of Polymer Science Part A: Polymer Chemistry – 2008, 46(6), 2145 – 2153
WOS:000254135200021
2-s2.0-40549126951
- 48) Selective NO_x optical sensing with surface-confined osmium polypyridyl complexes
Antonino Gulino, Tarkeshwar Gupta, Placido G. Mineo, Milko E. van der Boom
-Chem. Comm., 2007, 4878–4880
WOS:000251678300012
2-s2.0-37549033139
- 47) Novel Propylmethacrylates-Functionalized Polyhedral Oligomeric Silsesquioxanes Homopolymers Prepared via Radical Bulk Free Polymerization
Sandra Lo Schiavo, Placido Mineo, Paola Cardiano, Pasquale Piraino
-European Polymer Journal 43 (2007) 4898–4904
WOS:000252176200007
2-s2.0-36549065356

- 46) Uncharged Water-Soluble Porphyrin Tweezers as Supramolecular Sensor for α -Amino Acids
Valentina Villari, Placido Mineo, Norberto Micali, Nicola Angelini, Daniele Vitalini, Emilio Scamporrino
-Nanotechnology (2007), 18(37), 375503/1-375503/13
WOS:000249282900007
2-s2.0-34548173474
- 45) Viable Synthetic Route for a Luminescent Porphyrin Monolayer Covalently Assembled on a Molecularly Engineered Si(100) Surface.
Gulino, Antonino; Lupo, Fabio; Condorelli, Guglielmo G.; Mineo, Placido; Fragala, Ignazio.
-Chemistry of Materials (2007), 19(21), 5102-5109
WOS:000250009800011
2-s2.0-35548982951
- 44) Uncharged Water-Soluble Metal-Bis-Porphyrins Like a Molecular Tweezers for Amino Acids
E. Scamporrino, P. Mineo, S. Dattilo, D. Vitalini, E. Spina
-Macromol. Rapid Commun., - 2007, 28, 1546-1552
WOS:000248716800007
2-s2.0-34548024186
- 43) Spectroscopic and Morphological Investigation of an Optical pH Meter Based on a Porphyrin Monolayer Covalently Assembled on a Engineered Silica Surface.
Gulino, Antonino; Mineo, Placido; Fragala, Ignazio.
-Journal of Physical Chemistry C (2007), 111(3), 1373-1377
WOS:000245005400049
2-s2.0-33847352858
- 42) Copper(II) Complexes with β -cyclodextrin-homocarnosine Conjugates and their Antioxidant Activity
Francesco Bellia, Diego La Mendola, Giuseppe Maccarrone, Placido Mineo, Daniele Vitalini, Emilio Scamporrino, Salvatore Sortino, Graziella Vecchio, Enrico Rizzarelli
Inorganica Chimica Acta (2007), 360, 945–954
WOS:000244364600026
2-s2.0-33846243842
- 41) Synthesis and matrix-assisted laser desorption/ionization time-of-flight characterization of bisphenol-A copolyformals containing nickel(II)/Schiff base, eicosane and 2-butene units in the main chain
Daniele Vitalini, Emanuela Spina, Roberto Rapisardi, Emilio Scamporrino, Placido Mineo
-Rapid Communication in Mass Spectrometry, 2006, 20(19), 2961-2968
WOS:000241040400023
2-s2.0-33749508443
- 40) Photoluminescence of a Covalent Assembled Porphyrin-Based Monolayer: Optical Behavior in the Presence of O₂
Milko Van de Boom, Antonino Gulino, Salvatore Giuffrida, Placido Mineo, Michele Purrazzo, Emilio Scamporrino, Giorgio Ventimiglia, and Ignazio Fragalà
- Journal of Physical Chemistry B (2006), 110, 16781-16786
WOS:000239818000087
2-s2.0-33748527185

- 39) 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
Antonino Gulino, Placido Mineo, Emilio Scamporrino, Daniele Vitalini, and Ignazio Fragala`
- Chemistry of Materials 2006 , 18(9), 2404-2410
WOS:000237389700028
2-s2.0-33744922379

- 38) Uncharged Water-Soluble Co(II)-Porphyrin: A Receptor for Aromatic alfa-Amino Acids.
Angelini, Nicola; Micali, Norberto; Mineo, Placido; Scamporrino, Emilio; Villari, Valentina; Vitalini, Daniele.
- Journal of Physical Chemistry B (2005), 109(39), 18645-18651.
WOS:000232318500060
2-s2.0-26944447883

- 37) Redox-active dirhodium(II,II) species covalently entrapped into a methylmethacrylate backbone
Sandra Lo Schiavo, Placido Mineo, Giuseppe Tresoldi, Paola Cardiano and Pasquale Piratino
- Dalton Trans., 2005, 18. 2979-2981
WOS:000231524000003
2-s2.0-25144460230

- 36) An x-ray photoelectron spectra and atomic force microscopy characterization of silica substrates engineered with a covalently assembled siloxane monolayer
A. Gulino, G. G. Condorelli, P. Mineo, I. Fragalà
- Nanotechnology 2005, 16, 2170-2175
WOS:000232906200034
2-s2.0-25444498015

- 35) Effect of Delay Time and Grid Voltage Changes on the Average Molecular Mass of Polydisperse Polymers and Polymeric Blends Determined by DE MALDI-TOF
P. Mineo, E. Scamporrino, D. Vitalini, R. Alicata, S. Bazzano
- Rapid Communication in Mass Spectrometry, 2005, 19(19), 2773-2779
WOS:000232271800008
2-s2.0-25644452697

- 34) Optical pH Meter by Means of a Porphyrin Monolayer Covalently Assembled on a Molecularly Engineered Silica Surface.
Gulino, Antonino; Mineo, Placido; Bazzano, Sebastiano; Vitalini, Daniele; Fragala, Ignazio.
Chemistry of Materials 2005, 17(16), 4043-4045.
WOS:000231043200004
2-s2.0-23844539688

- 33) Interactions between water soluble porphyrin-based star polymer and amino acids:
Spectroscopic evidence of molecular binding
Nicola Angelini, Norberto Micali, Valentina Villari, Placido Mineo, Emilio Scamporrino, Daniele Vitalini
Physical Review E, 2005,71, 21915
WOS:000228245700056
2-s2.0-41349118839

- 32) Engineered Silica Surfaces with a Self-Assembled C60 Fullerene Monolayer

A. Gulino, S. Bazzano, G. G. Condorelli, S. Giuffrida, P. Mineo, C. Satriano, E. Scamporrino, G. Ventimiglia, D. Vitalini, I. Fragalà
- Chemistry of Materials, 2005, 17(5), 1079-1084
WOS:000227421300024
2-s2.0-20044387030

31) Characterization, Optical Recognition Behavior, Sensitivity and Selectivity of Silica Surfaces Functionalized with a Porphyrin Monolayer
A. Gulino, S. Bazzano, P. Mineo, E. Scamporrino, D. Vitalini, I. Fragalà
- Chemistry of Materials 2005; 17(3) pp 521 – 526
WOS:000226804000009
2-s2.0-13444265959

30) New Copoly(bisphenol-A)carbonates, Having Hydrophylic Porphyrin Units as End-Groups, Synthesized by Melt-Reacting Processes.
E. Scamporrino, R. Alicata, S. Bazzano, D. Vitalini, P. Mineo.
- Macromolecular Symposia, 218, 21-28, 2004.
WOS:000226526800005
2-s2.0-11244335583

29) Derivati porfirinici idrosolubili, loro preparazione e loro uso come localizzatori di tumori, composti fotosensibilizzanti, chemioterapici e sensori di amminoacidi e proteine
P. Mineo, E. Scamporrino, D. Vitalini, Università degli Studi di Catania, Consiglio Nazionale delle Ricerche
Deposito Brevetto N° MI2004A001135

28) Molecularly Engineered Silica Surfaces with an Assembled Porphyrin Monolayer as Optical NO₂ Molecular Recognizers
Antonino Gulino, Placido Mineo, Emilio Scamporrino, Daniele Vitalini, and Ignazio Fragalà
Chemistry of Materials; 2004; 16(10), 1838 – 1840
WOS:000221386500004
2-s2.0-2442650312

27) Coordination features of difunctionalized β -cyclodextrins with carnosine. ESI-MS and spectroscopic investigations on 6A,6D-di-(β -alanyl-L-histidine)-6A,6D-dideoxy- β – cyclodextrin and 6A,6C-di-(β -alanyl-L-histidine)-6A,6C-dideoxy- β -cyclodextrin and their Copper(II) complexes
P. Mineo, D. Vitalini, D. La Mendola, E. Rizzarelli, E. Scamporrino, G. Vecchio
- Journal of Inorganic Biochemistry, 2004, 98(2), 254-265
WOS:000188711200008
2-s2.0-0347091837

26) Epoxy-silica polymers as restoration materials. Part II.
P. Cardiano, P. Mineo, S. Sergi, R. C. Ponterio, M. Triscari, P. Piraino
- Polymer (2003), 44(16), 4435-4441.
WOS:000184168800006
2-s2.0-0038265433

25) Spectroscopic Evidence of Aggregation Processes in Porphyrin-Based Star-Polymers Aqueous Solutions.
V. Crupi, R. Giordano, D. Majolino, P. Migliardo, V. Venuti, N. Micali, V. Villari, P. Mineo, D. Vitalini, E. Scamporrino.

- Molecular Physics, Vol. 101, N° 10, 1517-1526 (2003).

WOS:000184142300013

2-s2.0-12144290773

- 24) Aggregation effects in aqueous solutions of Star-polymers by spectroscopic investigations.

N. Micali, V. Villari, P. Mineo, D. Vitalini, E. Scamporrino, V. Crupi, D. Majolino, P. Migliardo, V. Venuti

- Journal of Molecular Structure (2003), 651, 675-681.

WOS:000183424200089

2-s2.0-0038070118

- 23) Aggregation Phenomena in Aqueous Solutions of Uncharged Star Polymers with a Porphyrin Core.

N. Micali, V. Villari, P. Mineo, D. Vitalini, E. Scamporrino, V. Crupi, D. Majolino, P. Migliardo, V. Venuti

- Journal of Physical Chemistry B (2003), 107(21), 5095-5100.

WOS:000183066000030

2-s2.0-0037566210

- 22) Homologous disaccharide properties at low temperatures.

L. Abate, I. Blanco, C. Branca, S. Magazu, G. Maisano, P. Mineo, G. Romeo

- Journal of Molecular Liquids (2003), 103, 177-180.

WOS:000180874500015

2-s2.0-0037363525

- 21) Insertion of Copper(II)/Schiff-Base Complexes with NLO Properties into Commercial Polycarbonates by Thermal Processes.

E. Scamporrino, S. Bazzano, D. Vitalini, P. Mineo.

- Macromol. Rapid Commun., 24, 236 (2003).

WOS:000181777000002

2-s2.0-0037416737

- 20) Synthesis and Characterization of Uncharged Water-Soluble Star-Polymers Containing a Porphyrine Core.

P. Mineo, D. Vitalini, E. Scamporrino.

- Macromol. Rapid Commun., 23, 681 (2002).

WOS:000178087100005

2-s2.0-0036670548

- 19) Copper (II) Assisted Self-Assembly of Functionalized Beta-Cyclodextrins with Beta-Alanyl-L-Histidine.

P. Mineo, D. Vitalini, D. La Mendola, E. Rizzarelli, E. Scamporrino, G. Vecchio.

- Journal of Supramolecular Chemistry, 1/3, 147 (2001).

WOS:

2-s2.0-0036588878

- 18) Electrospray Mass Spectrometric Studies of L-carnosine (β -alanyl-L-histidine) Complexes with Copper (II) or Zinc Ions in Aqueous Solution.

P. Mineo, D. Vitalini, D. La Mendola, E. Rizzarelli, E. Scamporrino, G. Vecchio.

- Rapid Communication in Mass Spectrometry, 16, 722 (2002).

WOS:000174540100013

2-s2.0-0036006219

- 17) Comparison of thermophysical properties in disaccharide aqueous solutions.
C. Branca, S. Magazu, G. Maisano, P. Migliardo, P. Mineo
- Physica Scripta (2001), 64(4), 390-397.
WOS:000171747300021
2-s2.0-0035476932
- 16) Preparation of Functionalized Copolymers by Thermal Processes: Porphyrination and Fullerenation of a commercial Polycarbonate.
D. Vitalini, P. Mineo, V. Iudicelli, E. Scamporrino, G. Troina.
- Macromolecules, 33, 7300 (2000).
WOS:000089735800014
2-s2.0-0034300597
- 15) Solute-solvent interaction strength of disaccharide aqueous solutions: trehalose primite.
C. Branca, A. Faraone, S. Magazu, G. Maisano, P. Migliardo, P. Mineo, V. Villari
- AIP Conference Proceedings (2000), 513(Nuclear and Condensed Matter Physics), 47-50.
- 14) Effect of Combined Changes in Delayed Extraction Time and Potential Gradient on the Mass Resolution and Ion Discrimination in the Analysis of Polydisperse Polymers and Polymer Blends by Delayed Extraction Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry.
Vitalini, P. Mineo, E. Scamporrino.
- Rapid Communication in Mass Spectrometry, 13, 2511 (1999).
WOS:000084215700012
2-s2.0-0032806406
- 13) Synthesis and Characterization of Some Copolyformals Containing, in the Main Chain, Different Amounts of Fullerene Units.
E. Scamporrino, D. Vitalini, P. Mineo.
- Macromolecules, 32, 4247 (1999).
WOS:000081241300012
2-s2.0-0032640155
- 12) Synthesis and Characterization of some Main Chain Porphyrin Copolyformals, Based on Bisphenol-A and Long Linear Aliphatic Units, Having a Low Glass Transition Temperature.
D. Vitalini, P. Mineo, E. Scamporrino.
- Macromolecules, 32, 60 (1999).
WOS:000078475700009
2-s2.0-0032733513
- 11) A New Procedure for Quantitative Correction of Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometric Response.
E. Scamporrino, P. Maravigna, D. Vitalini, P. Mineo.
- Rapid Communication in Mass Spectrometry, 12, 646 (1998).
WOS:000073598900010
2-s2.0-0031925118
- 10) Further Application of a Procedure for Molecular Weight and Molecular Weight Distribution Measurements of Polydisperse Polymers from Their Matrix-Assisted Laser Desorption /Ionization Time-of-Flight Mass Spectra.
D. Vitalini, P. Mineo, E. Scamporrino.

- Macromolecules, 30, 5285 (1997).

WOS:A1997XV57700013

2-s2.0-0031559733

9) Computer Tools for the Speciation of Natural Fluids

C. De Stefano, P. Mineo, C. Rigano, S. Sammartano

- Chapter of the Book: Marine Chemistry, 71-83, (1997); Kluwer Academic Publishers

8) Novel Procedure for Molecular Weight Averages Measurements of Wide Disperse Polymers Directly by MALDI-TOF Mass Spectra.

G. Montaudo, E. Scamporrino, D. Vitalini, P. Mineo.

- Rapid Communication in Mass Spectrometry, 10, 1551 (1996).

WOS:A1996VL48400021

2-s2.0-0029970911

7) Speciation of N-(phosphonomethyl)glycine (glyphosate) in aqueous solutions containing major components of natural fluids.

L. Abate, P. Mineo, C. Rigano, P.G. Daniele, E. Prenesti, C. De Stefano, S. Sammartano

- Chemical Speciation and Bioavailability (1996), 8 (3/4), 59-65.

WOS:A1996WH92200001

2-s2.0-0343623255

6) Synthesis and MALDI-TOF MS Characterization of High Molecular Weight Poly(1,2-dihydroxybenzenephthalates) Obtained by Uncatalyzed Bulk Polymerization of O,O'-phthalylid-3-ylidene catechol or 4-Methyl-O,O'-phthalylid-3-ylidenecatechol.

E. Scamporrino, D. Vitalini, P. Mineo.

- Macromolecules, 29, 5520 (1996).

WOS:A1996VC26900002

2-s2.0-0030212565

5) Synthesis and MALDI-TOF Characterization of an Exactly Alternating Copolycarbonate and Two Random Copolyethers Containing Schiff Base Cu (II) Complex Nonlinear Optical (NLO) Units in the Main Chain.

D. Vitalini, P. Mineo, S. Di Bella, I. Fragalà, P. Maravigna, E. Scamporrino.

- Macromolecules, 29, 4478 (1996).

WOS:A1996UT13500004

2-s2.0-0030169852

4) Binding of tripolyphosphate by aliphatic amines: formation, stability, and calculation problems.

C. De Stefano, C. Foti, O. Giuffrè, P. Mineo, C. Rigano, S. Sammartano

- Annali di Chimica (Rome) (1996), 86(5-6), 257-280.

WOS:A1996VZ32400005

2-s2.0-0000207569

3) Enthalpimetric measurements in solid-solid interactions: The reaction of dicarboxylic acids with amino acids. Part 1.

G. Siracusa, L. Abate, P. Mineo

- Thermochimica Acta (1994), 232(1), 117-127.

WOS:A1994MY56300013

2-s2.0-33748623760

2) Ionic strength dependence of formation constants. XVII. The calculation of equilibrium

concentrations and formation constants.

C. De Stefano, P. Mineo, C. Rigano, S. Sammartano

- *Annali di Chimica* (Rome, Italy) 83(5-6), 243-277, (1993)

WOS:A1993MD88700005

- 1) Complexing Ability of Pesticides and Related Compounds. Protonation of 1,2,4-Triazole in Aqueous Solution of Sodium Perchlorate and Calcium Chloride at Different Temperatures and ionic Strengths

L. Abate, C. De Stefano, P. Mineo

- *Journal of Chemical Research*, 3, 76 (1991)

WOS:A1991FF92700013