

2020

- Vilella R., Sgarbi G., Naponelli V., Savi M., Bocchi L., Liuzzi F., Righetti R., Quaini F., Frati C., Bettuzzi S., Solaini G., Stilli D., Rizzi F., Baracca A., Effects of standardized green tea extract and its main component, EGCG, on mitochondrial function and contractile performance of healthy rat cardiomyocytes, *Nutrients*, **2020**, *12*, 10, 2949, 1, 20, [10.3390/nu12102949](https://doi.org/10.3390/nu12102949)
- Rizzo P., Cappadonia C., Rotigliano E., Iacumin P., Sanangelantoni A.M., Zerbini G., Celico F., Hydrogeological behaviour and geochemical features of waters in evaporite-bearing low-permeability successions: A case study in Southern Sicily, Italy, *Applied Sciences (Switzerland)*, **2020**, *10*, 22, 8177, 1, 24, [10.3390/app10228177](https://doi.org/10.3390/app10228177)
- Castracani C., Spotti F.A., Schifani E., Giannetti D., Ghizzoni M., Grasso D.A., Mori A., Public engagement provides first insights on po plain ant communities and reveals the ubiquity of the cryptic species tetramorium immigrans (Hymenoptera, formicidae), *Insects*, **2020**, *11*, 10, 678, 1, 18, [10.3390/insects11100678](https://doi.org/10.3390/insects11100678)
- Ferrari D., Garrapa V., Locatelli M., Bolchi A., A Novel Nanobody Scaffold Optimized for Bacterial Expression and Suitable for the Construction of Ribosome Display Libraries, *Molecular Biotechnology*, **2020**, *62*, 1, 43, 55, [10.1007/s12033-019-00224-z](https://doi.org/10.1007/s12033-019-00224-z)
- Pavesi A., New insights into the evolutionary features of viral overlapping genes by discriminant analysis, *Virology*, **2020**, *546*, 51, 66, [10.1016/j.virol.2020.03.007](https://doi.org/10.1016/j.virol.2020.03.007)
- Montanari I., Buldrini F., Bolpagni R., Laini A., Dalla Vecchia A., De Bernardini N., Campione L., Castellari I., Gizzi G., Landi S., Chiarucci A., Role of irrigation canal morphology in driving riparian flora in over-exploited catchments, *Community Ecology*, **2020**, *21*, 2, 121, 132, [10.1007/s42974-020-00024-5](https://doi.org/10.1007/s42974-020-00024-5)
- Gasparello J., Papi C., Gambari R., Finotti A., Gambari L., Rozzi A., Manicardi A., Corradini R., High Levels of Apoptosis Are Induced in the Human Colon Cancer HT-29 Cell Line by Co-Administration of Sulforaphane and a Peptide Nucleic Acid Targeting miR-15b-5p, *Nucleic Acid Therapeutics*, **2020**, *30*, 3, 164, 174, [10.1089/nat.2019.0825](https://doi.org/10.1089/nat.2019.0825)
- Burkanova E.M., Billia E.M.E., Persico D., Stephanorhinus kirchbergensis (Jäger, 1839) (Mammalia, Rhinocerotidae) from the Po valley (Lombardia, Northern Italy): possible diet/nutrition and living conditions, *Quaternary International*, **2020**, *554*, 164, 169, [10.1016/j.quaint.2020.07.031](https://doi.org/10.1016/j.quaint.2020.07.031)
- Alex J.M., Brancatelli G., Volpi S., Bonaccorso C., Casnati A., Geremia S., Crowley P.B., Probing the determinants of porosity in protein frameworks: Co-crystals of cytochrome: C and an octa-anionic calix[4]arene, *Organic and Biomolecular Chemistry*, **2020**, *18*, 2, 211, 214, [10.1039/c9ob02275a](https://doi.org/10.1039/c9ob02275a)
- Torelli M., Terenziani F., Pedrini A., Guagnini F., Domenichelli I., Massera C., Dalcanale E., Mechanically-Driven Vase–Kite Conformational Switch in Cavitand Cross-Linked Polyurethanes, *ChemistryOpen*, **2020**, *9*, 2, 261, 268, [10.1002/open.201900345](https://doi.org/10.1002/open.201900345)
- Schifani E., Castracani C., Spotti F.A., Giannetti D., Ghizzoni M., Gobbi M., Pedrotti L., Grasso D.A., Mori A., Ergatandromorphism in the Ant *Myrmica lobulicornis* Nylander, 1857 (Formicidae: Myrmicinae), *Sociobiology*, **2020**, *67*, 2, 330, 334, [10.13102/sociobiology.v67i2.5084](https://doi.org/10.13102/sociobiology.v67i2.5084)
- Orlandini G., Casimiro L., Bazzoni M., Cogliati B., Credi A., Lucarini M., Silvi S., Arduini A., Secchi A., Synthesis and properties of a redox-switchable calix[6]arene-based molecular lasso, *Organic Chemistry Frontiers*, **2020**, *7*, 4, 648, 659, [10.1039/c9qo01379b](https://doi.org/10.1039/c9qo01379b)
- Di Maiolo F., Painelli A., Dynamical disorder and resonance energy transfer: A novel quantum-classical approach, *Physical Chemistry Chemical Physics*, **2020**, *22*, 3, 1061, 1068, [10.1039/c9cp06038c](https://doi.org/10.1039/c9cp06038c)
- Malatesta M., Mori G., Acquotti D., Campanini B., Peracchi A., Antin P.B., Percudani R., Birth of a pathway for sulfur metabolism in early amniote evolution, *Nature Ecology and Evolution*, **2020**, *4*, 9, 1239, 1246, [10.1038/s41559-020-1232-4](https://doi.org/10.1038/s41559-020-1232-4)
- Pancrazzi F., Sarti N., Mazzeo P.P., Bacchi A., Carfagna C., Mancuso R., Gabriele B., Costa M., Stirling A., Della Ca' N., Site-Selective Double and Tetracyclization Routes to Fused Polyheterocyclic

- Structures by Pd-Catalyzed Carbonylation Reactions, *Organic Letters*, **2020**, *22*, 4, 1569, 1574, [10.1021/acs.orglett.0c00171](https://doi.org/10.1021/acs.orglett.0c00171)
- Cepeda-Plaza M., Peracchi A., Insights into DNA catalysis from structural and functional studies of the 8-17 DNAzyme, *Organic and Biomolecular Chemistry*, **2020**, *18*, 9, 1697, 1709, [10.1039/c9ob02453k](https://doi.org/10.1039/c9ob02453k)
 - Camedda N., Serafino A., Maggi R., Bigi F., Cera G., Maestri G., Functionalization of Alkenyl C-H Bonds with D₂O via Pd(0)/Carboxylic Acid Catalysis, *Synthesis (Germany)*, **2020**, *52*, 12, 1762, 1772, [10.1055/s-0039-1690892](https://doi.org/10.1055/s-0039-1690892)
 - Salvioli-Mariani E., Boschetti T., Toscani L., Montanini A., Petriglieri J.R., Bersani D., Multi-stage rodingitization of ophiolitic bodies from Northern Apennines (Italy): Constraints from petrography, geochemistry and thermodynamic modelling, *Geoscience Frontiers*, **2020**, *11*, 6, 2103, 2125, [10.1016/j.gsf.2020.04.017](https://doi.org/10.1016/j.gsf.2020.04.017)
 - Das A.D., Mannoni G., Früh A.E., Orsi D., Pinalli R., Dalcanale E., Damage-reporting carbon fiber epoxy composites, *ACS Applied Polymer Materials*, **2020**, *1*, 11, 2990, [10.1021/acsapm.9b00694](https://doi.org/10.1021/acsapm.9b00694)
 - Bazzoni M., Terenziani F., Secchi A., Cera G., Jabin I., De Leener G., Luhmer M., Arduini A., Tuning the Fluorescence Through Reorientation of the Axle in Calix[6]arene-Based Pseudorotaxanes, *Chemistry - A European Journal*, **2020**, *26*, 14, 3022, 3025, [10.1002/chem.201905500](https://doi.org/10.1002/chem.201905500)
 - Gullo M.C., Baldini L., Casnati A., Marchiò L., Halogen Bonds Direct the Solid State Architectures of a Multivalent Iodopropargylcalix[4]arene, *Crystal Growth and Design*, **2020**, *20*, 6, 3611, 3616, [10.1021/acs.cgd.0c00442](https://doi.org/10.1021/acs.cgd.0c00442)
 - Cera G., Bazzoni M., Arduini A., Secchi A., Ion-Pair Selective Conformational Rearrangement of Sulfonamide Calix[6]arene-Based Pseudorotaxanes, *Organic Letters*, **2020**, *22*, 9, 3702, 3705, [10.1021/acs.orglett.0c01191](https://doi.org/10.1021/acs.orglett.0c01191)
 - Bianchi F., Mattarozzi M., Careri M., The role of surface in desorption electrospray ionization-mass spectrometry: advances and future trends, *Analytical and Bioanalytical Chemistry*, **2020**, *412*, 17, 3967, 3973, [10.1007/s00216-020-02671-z](https://doi.org/10.1007/s00216-020-02671-z)
 - Roveri M., Lugli S., Manzi V., Reghizzi M., Rossi F.P., Stratigraphic relationships between shallow-water carbonates and primary gypsum: insights from the Messinian succession of the Sorbas Basin (Betic Cordillera, Southern Spain), *Sedimentary Geology*, **2020**, *404*, 105678, [10.1016/j.sedgeo.2020.105678](https://doi.org/10.1016/j.sedgeo.2020.105678)
 - Baldini L., Casnati A., Sansone F., Multivalent and Multifunctional Calixarenes in Bionanotechnology, *European Journal of Organic Chemistry*, **2020**, *2020*, 32, 5056, 5069, [10.1002/ejoc.202000255](https://doi.org/10.1002/ejoc.202000255)
 - Cruz-Cabeza A.J., Wright S.E., Bacchi A., On the entropy cost of making solvates, *Chemical Communications*, **2020**, *56*, 38, 5127, 5130, [10.1039/d0cc01050b](https://doi.org/10.1039/d0cc01050b)
 - Cera G., Balestri D., Bazzoni M., Marchiò L., Secchi A., Arduini A., Trisulfonamide calix[6]arene-catalysed Michael addition to nitroalkenes, *Organic and Biomolecular Chemistry*, **2020**, *18*, 32, 6241, 6246, [10.1039/d0ob01319f](https://doi.org/10.1039/d0ob01319f)
 - Serafino A., Balestri D., Marchiò L., Malacria M., Derat E., Maestri G., Orthogonal Syntheses of 3.2.0 Bicycles from Enallenes Promoted by Visible Light, *Organic Letters*, **2020**, *22*, 16, 6354, 6359, [10.1021/acs.orglett.0c02193](https://doi.org/10.1021/acs.orglett.0c02193)
 - Anzola M., Sissa C., Painelli A., Hassanali A.A., Grisanti L., Understanding Förster Energy Transfer through the Lens of Molecular Dynamics, *Journal of Chemical Theory and Computation*, **2020**, *16*, 12, 7281, 7288, [10.1021/acs.jctc.0c00893](https://doi.org/10.1021/acs.jctc.0c00893)
 - Swathi K., Sissa C., Painelli A., Thomas K.G., Supramolecular chirality: a caveat in assigning the handedness of chiral aggregates, *Chemical Communications*, **2020**, *56*, 59, 8281, 8284, [10.1039/d0cc01922d](https://doi.org/10.1039/d0cc01922d)
 - Vu T.H., Simonin J.-P., Rollet A.L., Egberink R.J.M., Verboom W., Gullo M.C., Casnati A., Liquid/Liquid Extraction Kinetics of Eu(III) and Am(III) by Extractants Designed for the Industrial Reprocessing of Nuclear Wastes, *Industrial and Engineering Chemistry Research*, **2020**, *59*, 30, 13477, 13490, [10.1021/acs.iecr.0c02401](https://doi.org/10.1021/acs.iecr.0c02401)

- Gazzurelli C., Migliori A., Mazzeo P.P., Carcelli M., Pietarinen S., Leonardi G., Pandolfi A., Rogolino D., Pelagatti P., Making Agriculture More Sustainable: An Environmentally Friendly Approach to the Synthesis of Lignin, Cu Pesticides, *ACS Sustainable Chemistry and Engineering*, **2020**, *8*, 39, 14886, 14895, [10.1021/acssuschemeng.0c04645](https://doi.org/10.1021/acssuschemeng.0c04645)
- Del Giudice D., Spatola E., Cacciapaglia R., Casnati A., Baldini L., Ercolani G., Di Stefano S., Time Programmable Locking/Unlocking of the Calix[4]arene Scaffold by Means of Chemical Fuels, *Chemistry - A European Journal*, **2020**, *26*, 65, 14954, 14962, [10.1002/chem.202002574](https://doi.org/10.1002/chem.202002574)
- Perinelli M., Tegoni M., Freisinger E., Different Behavior of the Histidine Residue toward Cadmium and Zinc in a Cadmium-Specific Metallothionein from an Aquatic Fungus, *Inorganic Chemistry*, **2020**, *59*, 23, 16988, 16997, [10.1021/acs.inorgchem.0c02171](https://doi.org/10.1021/acs.inorgchem.0c02171)
- Spadola G., Sanna V., Bartoli J., Carcelli M., Pelosi G., Bisceglie F., Restivo F.M., Degola F., Rogolino D., Thiosemicarbazone nano-formulation for the control of *Aspergillus flavus*, *Environmental Science and Pollution Research*, **2020**, *27*, 16, 20125, 20135, [10.1007/s11356-020-08532-7](https://doi.org/10.1007/s11356-020-08532-7)
- Morla-Folch J., Vargas-Nadal G., Zhao T., Sissa C., Ardizzone A., Kurhuzenkau S., Köber M., Uddin M., Painelli A., Veciana J., Belfield K.D., Ventosa N., Dye-Loaded Quatsomes Exhibiting FRET as Nanoprobes for Bioimaging, *ACS Applied Materials and Interfaces*, **2020**, *12*, 18, 20253, 20262, [10.1021/acami.0c03040](https://doi.org/10.1021/acami.0c03040)
- Phan Huu D.K.A., Sissa C., Terenziani F., Painelli A., Optical spectra of organic dyes in condensed phases: The role of the medium polarizability, *Physical Chemistry Chemical Physics*, **2020**, *22*, 44, 25483, 25491, [10.1039/d0cp04496b](https://doi.org/10.1039/d0cp04496b)
- Bellin N., Groppi M., Rossi V., A model of egg bank dynamics in ephemeral ponds, *Ecological Modelling*, **2020**, *430*, 109126, [10.1016/j.ecolmodel.2020.109126](https://doi.org/10.1016/j.ecolmodel.2020.109126)
- Chelli A., Francese R., Petrella E., Carri A., Quagliarini A., Segalini A., Caporicci M.P., Diena M., Giorgi M., Celico F., A multi-parameter field monitoring system to investigate the dynamics of large earth slides–earth flows in the Northern Apennines, Italy, *Engineering Geology*, **2020**, *275*, 105780, [10.1016/j.enggeo.2020.105780](https://doi.org/10.1016/j.enggeo.2020.105780)
- Sultan S., Rozzi A., Gasparello J., Manicardi A., Corradini R., Papi C., Finotti A., Lampronti I., Reali E., Cabrini G., Gambari R., Borgatti M., A peptide nucleic acid (PNA) masking the miR-145-5p binding site of the 3'UTR of the cystic fibrosis transmembrane conductance regulator (CFTR) mRNA enhances CFTR expression in Calu-3 cells, *Molecules*, **2020**, *25*, 7, 1677, [10.3390/molecules25071677](https://doi.org/10.3390/molecules25071677)
- Bianchi V., Mattarozzi M., Giannetto M., Boni A., De Munari I., Careri M., A self-calibrating iot portable electrochemical immunosensor for serum human epididymis protein 4 as a tumor biomarker for ovarian cancer, *Sensors (Switzerland)*, **2020**, *20*, 7, 2016, [10.3390/s20072016](https://doi.org/10.3390/s20072016)
- Bianchi F., Pankajakshan A., Fornari F., Mandal S., Pelagatti P., Bacchi A., Mazzeo P.P., Careri M., A zinc mixed-ligand microporous metal-organic framework as solid-phase microextraction coating for priority polycyclic aromatic hydrocarbons from water samples, *Microchemical Journal*, **2020**, *154*, 104646, [10.1016/j.microc.2020.104646](https://doi.org/10.1016/j.microc.2020.104646)
- Phan Huu D.K.A., Dhali R., Pieroni C., Di Maiolo F., Sissa C., Terenziani F., Painelli A., Antiadiabatic View of Fast Environmental Effects on Optical Spectra, *Physical Review Letters*, **2020**, *124*, 10, 107401, [10.1103/PhysRevLett.124.107401](https://doi.org/10.1103/PhysRevLett.124.107401)
- Bisceglie F., Bacci C., Vismarra A., Barilli E., Pioli M., Orsoni N., Pelosi G., Antibacterial activity of metal complexes based on cinnamaldehyde thiosemicarbazone analogues, *Journal of Inorganic Biochemistry*, **2020**, *203*, 110888, [10.1016/j.jinorgbio.2019.110888](https://doi.org/10.1016/j.jinorgbio.2019.110888)
- Ruotolo R., De Giorgio G., Minato I., Bianchi M.G., Bussolati O., Marmioli N., Cerium oxide nanoparticles rescue α -synuclein-induced toxicity in a yeast model of parkinson's disease, *Nanomaterials*, **2020**, *10*, 2, 235, [10.3390/nano10020235](https://doi.org/10.3390/nano10020235)
- Rizzo P., Bucci A., Sanangelantoni A.M., Iacumin P., Celico F., Coupled microbiological-isotopic approach for studying hydrodynamics in deep reservoirs: The case of the val d'agri oilfield (Southern Italy), *Water (Switzerland)*, **2020**, *12*, 5, 1483, [10.3390/w12051483](https://doi.org/10.3390/w12051483)

- Perinelli M., Guerrini R., Albanese V., Marchetti N., Bellotti D., Gentili S., Tegoni M., Remelli M., Cu(II) coordination to His-containing linear peptides and related branched ones: Equalities and diversities, *Journal of Inorganic Biochemistry*, **2020**, *205*, 110980, [10.1016/j.jinorgbio.2019.110980](https://doi.org/10.1016/j.jinorgbio.2019.110980)
- Fernández-García Y., Horst S.T., Bassetto M., Brancale A., Neyts J., Rogolino D., Sechi M., Carcelli M., Günther S., Rocha-Pereira J., Diketo acids inhibit the cap-snatching endonuclease of several Bunyavirales, *Antiviral Research*, **2020**, *183*, 104947, [10.1016/j.antiviral.2020.104947](https://doi.org/10.1016/j.antiviral.2020.104947)
- D'Agata R., Bellassai N., Allegretti M., Rozzi A., Korom S., Manicardi A., Melucci E., Pescarmona E., Corradini R., Giacomini P., Spoto G., Direct plasmonic detection of circulating RAS mutated DNA in colorectal cancer patients, *Biosensors and Bioelectronics*, **2020**, *170*, 112648, [10.1016/j.bios.2020.112648](https://doi.org/10.1016/j.bios.2020.112648)
- Pizzati M., Balsamo F., Storti F., Displacement-dependent microstructural and petrophysical properties of deformation bands and gouges in poorly lithified sandstone deformed at shallow burial depth (Crotone Basin, Italy), *Journal of Structural Geology*, **2020**, *137*, 104069, [10.1016/j.jsg.2020.104069](https://doi.org/10.1016/j.jsg.2020.104069)
- Pellegri V., Gorbi G., Buschini A., DNA damage detection by Comet Assay on *Daphnia magna*: Application in freshwater biomonitoring, *Science of the Total Environment*, **2020**, *705*, 135780, [10.1016/j.scitotenv.2019.135780](https://doi.org/10.1016/j.scitotenv.2019.135780)
- Mattarozzi M., Giannetto M., Careri M., Electrochemical immunomagnetic assay as biosensing strategy for determination of ovarian cancer antigen HE4 in human serum, *Talanta*, **2020**, *217*, 120991, [10.1016/j.talanta.2020.120991](https://doi.org/10.1016/j.talanta.2020.120991)
- Ruotolo R., Minato I., La Vitola P., Artioli L., Curti C., Franceschi V., Brindani N., Amidani D., Colombo L., Salmona M., Forloni G., Donofrio G., Balducci C., Del Rio D., Ottonello S., Flavonoid-Derived Human Phenyl- γ -Valerolactone Metabolites Selectively Detoxify Amyloid- β Oligomers and Prevent Memory Impairment in a Mouse Model of Alzheimer's Disease, *Molecular Nutrition and Food Research*, **2020**, *64*, 5, 1900890, [10.1002/mnfr.201900890](https://doi.org/10.1002/mnfr.201900890)
- Dalla Vecchia A., Villa P., Bolpagni R., Functional traits in macrophyte studies: Current trends and future research agenda, *Aquatic Botany*, **2020**, *167*, 103290, [10.1016/j.aquabot.2020.103290](https://doi.org/10.1016/j.aquabot.2020.103290)
- Arcoleo A., Bianchi F., Careri M., Helical multi-walled carbon nanotube-coated fibers for solid-phase microextraction determination of polycyclic aromatic hydrocarbons at ultra-trace levels in ice and snow samples, *Journal of Chromatography A*, **2020**, *1631*, 461589, [10.1016/j.chroma.2020.461589](https://doi.org/10.1016/j.chroma.2020.461589)
- Secchiari A., Gleissner P., Li C., Goncharov A., Milke R., Becker H., Bosch D., Montanini A., Highly siderophile and chalcophile element behaviour in abyssal-type and supra-subduction zone mantle: New insights from the New Caledonia ophiolite, *Lithos*, **2020**, *354-355*, 105338, [10.1016/j.lithos.2019.105338](https://doi.org/10.1016/j.lithos.2019.105338)
- Carcelli M., Tegoni M., Bartoli J., Marzano C., Pelosi G., Salvalaio M., Rogolino D., Gandin V., In vitro and in vivo anticancer activity of tridentate thiosemicarbazone copper complexes: Unravelling an unexplored pharmacological target, *European Journal of Medicinal Chemistry*, **2020**, *194*, 112266, [10.1016/j.ejmech.2020.112266](https://doi.org/10.1016/j.ejmech.2020.112266)
- Loconte V., Cianci M., Menozzi I., Sbravati D., Sansone F., Casnati A., Berni R., Interactions of tolcapone analogues as stabilizers of the amyloidogenic protein transthyretin, *Bioorganic Chemistry*, **2020**, *103*, 104144, [10.1016/j.bioorg.2020.104144](https://doi.org/10.1016/j.bioorg.2020.104144)
- Coppedè N., Giannetto M., Villani M., Lucchini V., Battista E., Careri M., Zappettini A., Ion selective textile organic electrochemical transistor for wearable sweat monitoring, *Organic Electronics*, **2020**, *78*, 105579, [10.1016/j.orgel.2019.105579](https://doi.org/10.1016/j.orgel.2019.105579)
- Baruffini E., Ruotolo R., Bisceglie F., Montalbano S., Ottonello S., Pelosi G., Buschini A., Lodi T., Mechanistic insights on the mode of action of an antiproliferative thiosemicarbazone-nickel complex revealed by an integrated chemogenomic profiling study, *Scientific Reports*, **2020**, *10*, 1, 10524, [10.1038/s41598-020-67439-y](https://doi.org/10.1038/s41598-020-67439-y)
- Remelli S., Rizzo P., Celico F., Menta C., Natural surface hydrocarbons and soil faunal biodiversity: A bioremediation perspective, *Water (Switzerland)*, **2020**, *12*, 9, 2358, <https://doi.org/10.3390/w12092358>

- Orlandi F., Çakır A., Manuel P., Khalyavin D.D., Acet M., Righi L., Neutron diffraction and symmetry analysis of the martensitic transformation in Co-doped Ni₂MnGa, *Physical Review B*, **2020**, *101*, 9, 94105, [10.1103/PhysRevB.101.094105](https://doi.org/10.1103/PhysRevB.101.094105)
- Schifani E., Castracani C., Giannetti D., Spotti F.A., Reggiani R., Leonardi S., Mori A., Grasso D.A., New tools for conservation biological control: Testing ant-attracting artificial nectaries to employ ants as plant defenders, *Insects*, **2020**, *11*, 2, 129, [10.3390/insects11020129](https://doi.org/10.3390/insects11020129)
- Zangelmi E., Ronda L., Castagna C., Campanini B., Veiga-da-Cunha M., Van Schaftingen E., Peracchi A., Off to a slow start: Analyzing lag phases and accelerating rates in steady-state enzyme kinetics, *Analytical Biochemistry*, **2020**, *593*, 113595, [10.1016/j.ab.2020.113595](https://doi.org/10.1016/j.ab.2020.113595)
- Casnati A., Voronov A., Ferrari D.G., Mancuso R., Gabriele B., Motti E., Della Ca N., PdI₂ as a simple and efficient catalyst for the hydroamination of arylacetylenes with anilines, *Catalysts*, **2020**, *10*, 2, 176, [10.3390/catal10020176](https://doi.org/10.3390/catal10020176)
- Zych A., Pinalli R., Soliman M., Vachon J., Dalcanale E., Polyethylene vitrimers via silyl ether exchange reaction, *Polymer*, **2020**, *199*, 122567, [10.1016/j.polymer.2020.122567](https://doi.org/10.1016/j.polymer.2020.122567)
- Rizzo P., Malerba M., Bucci A., Sanangelantoni A.M., Remelli S., Celico F., Potential enhancement of the in-situ bioremediation of contaminated sites through the isolation and screening of bacterial strains in Natural Hydrocarbon Springs, *Water (Switzerland)*, **2020**, *12*, 8, 2090, [10.3390/w12082090](https://doi.org/10.3390/w12082090)
- Tonna M., Ponzi D., Palanza P., Marchesi C., Parmigiani S., Proximate and ultimate causes of ritual behavior, *Behavioural Brain Research*, **2020**, *393*, 112772, [10.1016/j.bbr.2020.112772](https://doi.org/10.1016/j.bbr.2020.112772)
- Severini E., Bartoli M., Pinardi M., Celico F., Reactive silica traces manure spreading in alluvial aquifers affected by nitrate contamination: A case study in a high plain of Northern Italy, *Water (Switzerland)*, **2020**, *12*, 9, 2511, [10.3390/w12092511](https://doi.org/10.3390/w12092511)
- Riboni N., Fornari F., Bianchi F., Careri M., Recent advances in in vivo spme sampling, *Separations*, **2020**, *7*, 1, 6, [10.3390/separations7010006](https://doi.org/10.3390/separations7010006)
- Pattini F., Rampino S., Mezzadri F., Calestani D., Spaggiari G., Sidoli M., Delmonte D., Sala A., Gilioli E., Mazzer M., Role of the substrates in the ribbon orientation of Sb₂Se₃ films grown by Low-Temperature Pulsed Electron Deposition, *Solar Energy Materials and Solar Cells*, **2020**, *218*, 110724, [10.1016/j.solmat.2020.110724](https://doi.org/10.1016/j.solmat.2020.110724)
- Grasso D.A., Giannetti D., Castracani C., Spotti F.A., Mori A., Rolling away: a novel context-dependent escape behaviour discovered in ants, *Scientific Reports*, **2020**, *10*, 1, 3784, [10.1038/s41598-020-59954-9](https://doi.org/10.1038/s41598-020-59954-9)
- Bisceglie F., Degola F., Rogolino D., Giannelli G., Orsoni N., Spadola G., Pioli M., Restivo F.M., Carcelli M., Pelosi G., Sisters in structure but different in character, some benzaldehyde and cinnamaldehyde derivatives differentially tune *Aspergillus flavus* secondary metabolism, *Scientific Reports*, **2020**, *10*, 1, 17686, [10.1038/s41598-020-74574-z](https://doi.org/10.1038/s41598-020-74574-z)
- Rizzo P., Petrella E., Bucci A., Salvioli-Mariani E., Chelli A., Sanangelantoni A.M., Raimondo M., Quagliarini A., Celico F., Studying hydraulic interconnections in low-permeability media by using bacterial communities as natural tracers, *Water (Switzerland)*, **2020**, *12*, 6, 1795, [10.3390/w12061795](https://doi.org/10.3390/w12061795)
- Pioli M., Loffi C., Mazzeo P.P., Bacchi A., Pelagatti P., Synthesis, spectroscopic and structural characterization and solution stability of ruthenium sandwich complexes containing 1,8-naphthalimide ligands, *Inorganica Chimica Acta*, **2020**, *517*, 120190, [10.1016/j.ica.2020.120190](https://doi.org/10.1016/j.ica.2020.120190)
- Barili V., Fiscaro P., Montanini B., Acerbi G., Filippi A., Forleo G., Romualdi C., Ferracin M., Guerrieri F., Pedrazzi G., Boni C., Rossi M., Vecchi A., Penna A., Zecca A., Mori C., Orlandini A., Negri E., Pesci M., Massari M., Missale G., Levrero M., Ottonello S., Ferrari C., Targeting p53 and histone methyltransferases restores exhausted CD8⁺ T cells in HCV infection, *Nature Communications*, **2020**, *11*, 1, 604, [10.1038/s41467-019-14137-7](https://doi.org/10.1038/s41467-019-14137-7)