

# Mariano Stornaiuolo

## List of Publications by Year in descending order

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Version: 2024-02-01

73  
papers

2,613  
citations

236612

25  
h-index

205818

48  
g-index

74  
all docs

74  
docs citations

74  
times ranked

4478  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Polyphenols: A concise overview on the chemistry, occurrence, and human health. <i>Phytotherapy Research</i> , 2019, 33, 2221-2243.   | 2.8 | 493       |
| 2  | Nutraceuticals: A paradigm of proactive medicine. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 53-61.   | 1.9 | 221       |
| 3  | PrPC Association with Lipid Rafts in the Early Secretory Pathway Stabilizes Its Cellular Conformation. <i>Molecular Biology of the Cell</i> , 2004, 15, 4031-4042.  | 0.9 | 125       |
| 4  | KDEL and KKXX Retrieval Signals Appended to the Same Reporter Protein Determine Different Trafficking between Endoplasmic Reticulum, Intermediate Compartment, and Golgi Complex. <i>Molecular Biology of the Cell</i> , 2003, 14, 889-902.                               | 0.9 | 99        |
| 5  | Reduced Frizzled Receptor 4 Expression Prevents WNT/ $\beta$ 2-Catenin-driven Alveolar Lung Repair in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 172-185.                                      | 2.5 | 85        |
| 6  | In vitro bioaccessibility, bioavailability and plasma protein interaction of polyphenols from Annurca apple ( <i>M. pumila</i> Miller cv Annurca). <i>Food Chemistry</i> , 2013, 141, 3519-3524.  | 4.2 | 70        |
| 7  | Fmoc-FF and hexapeptide-based multicomponent hydrogels as scaffold materials. <i>Soft Matter</i> , 2019, 15, 487-496.   | 1.2 | 70        |
| 8  | May Polyphenols Have a Role Against Coronavirus Infection? An Overview of in vitro Evidence. <i>Frontiers in Medicine</i> , 2020, 7, 240.   | 1.2 | 69        |
| 9  | Nutraceuticals: Beyond the Diet Before the Drugs. <i>Current Bioactive Compounds</i> , 2014, 10, 1-12.  | 0.2 | 68        |
| 10 | Effects of Grape Pomace Polyphenolic Extract (Taurisol <sup>®</sup> ) in Reducing TMAO Serum Levels in Humans: Preliminary Results from a Randomized, Placebo-Controlled, Cross-Over Study. <i>Nutrients</i> , 2019, 11, 139.   | 1.7 | 68        |
| 11 | Assembly of a $\beta$ -sheet stack of ligands in the binding site of an acetylcholine-binding protein. <i>Nature Communications</i> , 2013, 4, 1875.  | 5.8 | 55        |
| 12 | Indole-2-carboxamides as Allosteric Modulators of the Cannabinoid CB1 Receptor. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5627-5631.  | 2.9 | 54        |
| 13 | Development of an improved online comprehensive hydrophilic interaction chromatography—reversed-phase ultra-high-pressure liquid chromatography platform for complex multiclass polyphenolic sample analysis. <i>Journal of Separation Science</i> , 2017, 40, 2188-2197. | 1.3 | 45        |
| 14 | Effect of Grape Pomace Polyphenols With or Without Pectin on TMAO Serum Levels Assessed by LC/MS-Based Assay: A Preliminary Clinical Study on Overweight/Obese Subjects. <i>Frontiers in Pharmacology</i> , 2019, 10, 575.  | 1.6 | 44        |
| 15 | Endogenous vs Exogenous Allosteric Modulators in GPCRs: A dispute for shuttling CB1 among different membrane microenvironments. <i>Scientific Reports</i> , 2015, 5, 15453.   | 1.6 | 41        |
| 16 | Structure-Based Lead Optimization and Biological Evaluation of BAX Direct Activators as Novel Potential Anticancer Agents. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 2135-2148.   | 2.9 | 41        |
| 17 | Nutraceutical potential of polyphenolic fractions from Annurca apple ( <i>M. pumila</i> Miller cv Annurca). <i>Food Chemistry</i> , 2013, 140, 614-622.   | 4.2 | 40        |
| 18 | Pharmacological folding chaperones act as allosteric ligands of Frizzled4. <i>Nature Chemical Biology</i> , 2015, 11, 280-286.  | 3.9 | 35        |

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|----|---|-----|-----------|
| 19 | Annurca ( <i>Malus pumila</i> Miller cv. Annurca) apple as a functional food for the contribution to a healthy balance of plasma cholesterol levels: results of a randomized clinical trial. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2107-2115. | 1.7 | 34        |
| 20 | Detailed polyphenolic profiling of Annurca apple ( <i>M. pumila</i> Miller cv Annurca) by a combination of RP-UHPLC and HILIC, both hyphenated to IT-TOF mass spectrometry. <i>Food Research International</i> , 2015, 76, 466-477.                                       | 2.9 | 32        |
| 21 | The cytosolic chaperone $\alpha$ -Crystallin B rescues appropriate folding and compartmentalization of misfolded multispan transmembrane proteins. <i>Journal of Cell Science</i> , 2013, 126, 4160-72.   | 1.2 | 31        |
| 22 | Effects of Annurca apple polyphenols on lipid metabolism in HepG2 cell lines: A source of nutraceuticals potentially indicated for the metabolic syndrome. <i>Food Research International</i> , 2014, 63, 252-257.  | 2.9 | 28        |
| 23 | Lead Optimization of 2-Phenylindolylglyoxyldipeptide Murine Double Minute (MDM)2/Translocator Protein (TSPO) Dual Inhibitors for the Treatment of Gliomas. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 4526-4538.   | 2.9 | 28        |
| 24 | The evolving landscape of untargeted metabolomics. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021, 31, 1645-1652.  | 1.1 | 28        |
| 25 | (1S,3R,4S,5R)5-O-Caffeoylquinic acid: Isolation, stereo-structure characterization and biological activity. <i>Food Chemistry</i> , 2015, 178, 306-310.   | 4.2 | 26        |
| 26 | Annurca Apple Nutraceutical Formulation Enhances Keratin Expression in a Human Model of Skin and Promotes Hair Growth and Tropism in a Randomized Clinical Trial. <i>Journal of Medicinal Food</i> , 2018, 21, 90-103.  | 0.8 | 26        |
| 27 | A Boost in Mitochondrial Activity Underpins the Cholesterol-Lowering Effect of Annurca Apple Polyphenols on Hepatic Cells. <i>Nutrients</i> , 2019, 11, 163.  | 1.7 | 24        |
| 28 | Metabolic profiling, in vitro bioaccessibility and in vivo bioavailability of a commercial bioactive <i>Epilobium angustifolium</i> L. extract. <i>Biomedicine and Pharmacotherapy</i> , 2020, 131, 110670.   | 2.5 | 24        |
| 29 | The Pomace Extract Taurisolo Protects Rat Brain From Ischemia-Reperfusion Injury. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 3.  | 1.8 | 23        |
| 30 | Bax Activation Blocks Self-Renewal and Induces Apoptosis of Human Glioblastoma Stem Cells. <i>ACS Chemical Neuroscience</i> , 2018, 9, 85-99.   | 1.7 | 22        |
| 31 | Beyond radio-displacement techniques for Identification of CB1 Ligands: The First Application of a Fluorescence-quenching Assay. <i>Scientific Reports</i> , 2014, 4, 3757.   | 1.6 | 21        |
| 32 | A Healthy Balance of Plasma Cholesterol by a Novel Annurca Apple-Based Nutraceutical Formulation: Results of a Randomized Trial. <i>Journal of Medicinal Food</i> , 2017, 20, 288-300.  | 0.8 | 21        |
| 33 | A Negative Allosteric Modulator of WNT Receptor Frizzled 4 Switches into an Allosteric Agonist. <i>Biochemistry</i> , 2018, 57, 839-851.  | 1.2 | 21        |
| 34 | Annurca Apple Polyphenols Protect Murine Hair Follicles from Taxane Induced Dystrophy and Hijacks Polyunsaturated Fatty Acid Metabolism toward $\beta$ -Oxidation. <i>Nutrients</i> , 2018, 10, 1808.   | 1.7 | 20        |
| 35 | Annurca Apple Polyphenols Ignite Keratin Production in Hair Follicles by Inhibiting the Pentose Phosphate Pathway and Amino Acid Oxidation. <i>Nutrients</i> , 2018, 10, 1406.  | 1.7 | 20        |
| 36 | The Hepatoprotective Effect of Taurisolo, a Nutraceutical Enriched in Resveratrol and Polyphenols, Involves Activation of Mitochondrial Metabolism in Mice Liver. <i>Antioxidants</i> , 2020, 9, 410.   | 2.2 | 20        |

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|----|---|-----|-----------|
| 37 | MHC class II invariant chain adjuvanted viral vectored vaccines enhances T cell responses in humans. <i>Science Translational Medicine</i> , 2020, 12, .  | 5.8 | 20        |
| 38 | Glutamine promotes escape from therapy-induced senescence in tumor cells. <i>Aging</i> , 2021, 13, 20962-20991.   | 1.4 | 20        |
| 39 | Transient transfection coupled to baculovirus infection for rapid protein expression screening in insect cells. <i>Journal of Structural Biology</i> , 2012, 179, 46-55.  | 1.3 | 19        |
| 40 | Chiral Indolylarylsulfone Non-Nucleoside Reverse Transcriptase Inhibitors as New Potent and Broad Spectrum Anti-HIV-1 Agents. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 6528-6547.  | 2.9 | 19        |
| 41 | A disorder-to-order structural transition in the COOH-tail of Fz4 determines misfolding of the L501fsX533-Fz4 mutant. <i>Scientific Reports</i> , 2013, 3, 2659.  | 1.6 | 18        |
| 42 | Synthesis, biological activity and molecular modeling of new biphenylic carboxamides as potent and selective CB2 receptor ligands. <i>European Journal of Medicinal Chemistry</i> , 2015, 90, 526-536.                                    | 2.6 | 18        |
| 43 | Screening Platform toward New Anti-HIV Aptamers Set on Molecular Docking and Fluorescence Quenching Techniques. <i>Analytical Chemistry</i> , 2016, 88, 2327-2334.  | 3.2 | 18        |
| 44 | Oral Bisphenol A Worsens Liver Immune-Metabolic and Mitochondrial Dysfunction Induced by High-Fat Diet in Adult Mice: Cross-Talk between Oxidative Stress and Inflammasome Pathway. <i>Antioxidants</i> , 2020, 9, 1201.                  | 2.2 | 18        |
| 45 | Annurca apple ( <i>M. pumila</i> Miller cv Annurca) extracts act against stress and ageing in <i>S. cerevisiae</i> yeast cells. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 200.  | 3.7 | 17        |
| 46 | WNT Inhibitory Activity of <i>Malus Pumila</i> miller cv Annurca and <i>Malus domestica</i> cv Limoncella Apple Extracts on Human Colon-Rectal Cells Carrying Familial Adenomatous Polyposis Mutations. <i>Nutrients</i> , 2017, 9, 1262. | 1.7 | 17        |
| 47 | Fruit-based juices: Focus on antioxidant properties Study approach and update. <i>Phytotherapy Research</i> , 2019, 33, 1754-1769.  | 2.8 | 17        |
| 48 | The Thyroid Hormone Inactivator Enzyme, Type 3 Deiodinase, Is Essential for Coordination of Keratinocyte Growth and Differentiation. <i>Thyroid</i> , 2020, 30, 1066-1078.  | 2.4 | 15        |
| 49 | Induction of Hair Keratins Expression by an Annurca Apple-Based Nutraceutical Formulation in Human Follicular Cells. <i>Nutrients</i> , 2019, 11, 3041.   | 1.7 | 14        |
| 50 | The NANOG Transcription Factor Induces Type 2 Deiodinase Expression and Regulates the Intracellular Activation of Thyroid Hormone in Keratinocyte Carcinomas. <i>Cancers</i> , 2020, 12, 715.   | 1.7 | 14        |
| 51 | Self-Supporting Hydrogels Based on Fmoc-Derivatized Cationic Hexapeptides for Potential Biomedical Applications. <i>Biomedicines</i> , 2021, 9, 678.  | 1.4 | 14        |
| 52 | A nutraceutical formulation based on Annurca apple polyphenolic extract is effective on intestinal cholesterol absorption: A randomised, placebo-controlled, crossover study. <i>PharmaNutrition</i> , 2018, 6, 85-94.                    | 0.8 | 13        |
| 53 | Metabolites Profiling of Melanoma Interstitial Fluids Reveals Uridine Diphosphate as Potent Immune Modulator Capable of Limiting Tumor Growth. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 730726.                      | 1.8 | 13        |
| 54 | Urokinase receptor derived peptides as potent inhibitors of the formyl peptide receptor type 1-triggered cell migration. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 348-360.   | 2.6 | 12        |

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|----|---|-----|-----------|
| 55 | Development of Macrocyclic Peptidomimetics Containing Constrained $\beta$ , $\beta$ -Dialkylated Amino Acids with Potent and Selective Activity at Human Melanocortin Receptors. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 4263-4269. | 2.9 | 11        |
| 56 | Thyroid Hormone Enhances Angiogenesis and the Warburg Effect in Squamous Cell Carcinomas. <i>Cancers</i> , 2021, 13, 2743.  | 1.7 | 11        |
| 57 | Salvigenin, a Trimethoxylated Flavone from <i>Achillea Wilhelmsii</i> C. Koch, Exerts Combined Lipid-Lowering and Mitochondrial Stimulatory Effects. <i>Antioxidants</i> , 2021, 10, 1042.  | 2.2 | 11        |
| 58 | Selective Inhibition of Genomic and Non-Genomic Effects of Thyroid Hormone Regulates Muscle Cell Differentiation and Metabolic Behavior. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7175.                                 | 1.8 | 11        |
| 59 | Molecular Scavengers, Oxidative Stress and Cardiovascular Disease. <i>Journal of Clinical Medicine</i> , 2019, 8, 1895.   | 1.0 | 10        |
| 60 | Monitoring Cyanobacterial Blooms during the COVID-19 Pandemic in Campania, Italy: The Case of Lake Avernus. <i>Toxins</i> , 2021, 13, 471.  | 1.5 | 10        |
| 61 | Genotoxicity Assessment of Three Nutraceuticals Containing Natural Antioxidants Extracted from Agri-Food Waste Biomasses. <i>Foods</i> , 2020, 9, 1461.   | 1.9 | 9         |
| 62 | Multicomponent Hydrogel Matrices of Fmoc-FF and Cationic Peptides for Application in Tissue Engineering. <i>Macromolecular Bioscience</i> , 2022, 22, e2200128.   | 2.1 | 9         |
| 63 | In vivo bioavailability and in vitro toxicological evaluation of the new butyric acid releaser N-(1-carbamoyl-2-phenyl-ethyl) butyramide. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111385.   | 2.5 | 8         |
| 64 | Thyroid Hormone Receptor Isoforms Alpha and Beta Play Convergent Roles in Muscle Physiology and Metabolic Regulation. <i>Metabolites</i> , 2022, 12, 405.   | 1.3 | 8         |
| 65 | A fast route for the synthesis of tetrazolyl oximes by a novel multicomponent reaction between Z-chlorooximes, isocyanides and trimethylsilyl azide. <i>Tetrahedron Letters</i> , 2017, 58, 3549-3553.  | 0.7 | 6         |
| 66 | Thyroid hormone regulates glutamine metabolism and anaplerotic fluxes by inducing mitochondrial glutamate aminotransferase GPT2. <i>Cell Reports</i> , 2022, 38, 110409.  | 2.9 | 6         |
| 67 | Glycosylated Phenols and an Unprecedented Diacid from the Saudi Plant <i>Cissus rotundifolia</i> . <i>Journal of Natural Products</i> , 2020, 83, 3298-3304.  | 1.5 | 5         |
| 68 | A Glimpse at Siderophores Production by <i>Anabaena flos-aquae</i> UTEX 1444. <i>Marine Drugs</i> , 2022, 20, 256.  | 2.2 | 5         |
| 69 | Genotoxic Assessment of Nutraceuticals Obtained from Agricultural Biowaste: Where Do We $\alpha$ AMES $\beta$ ?. <i>Antioxidants</i> , 2022, 11, 1197.  | 2.2 | 5         |
| 70 | Promelanogenic Effects by an Annurca Apple-Based Natural Formulation in Human Primary Melanocytes. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2021, Volume 14, 291-301.  | 0.8 | 4         |
| 71 | Anticancer Activity of (S)-5-Chloro-3-((3,5-dimethylphenyl)sulfonyl)-N-(1-oxo-1-((pyridin-4-ylmethyl)amino)propan-2-yl)-1H-indole-2-carboxamide (RS4690), a New Dishevelled 1 Inhibitor. <i>Cancers</i> , 2022, 14, 1358.                     |     | 4         |
| 72 | Guaiane-rich phytochemical profile of <i>Centaurea kotschyi</i> subsp. <i>persica</i> (Boiss.) Wagenitz and identification of hypoglycaemic metabolites. <i>Phytochemistry</i> , 2022, 199, 113189.   | 1.4 | 3         |

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|----|---|-----|-----------|
| 73 | Impact of four inorganic impurities – iron, copper, nickel and zinc - on the quality attributes of a Fc-fusion protein upon incubation at different temperatures. European Journal of Pharmaceutical Sciences, 2022, 172, 106139. | 1.9 | 1         |