

Elenco pubblicazioni DSFS - Anno 2020

Autori corresponding author* Autore DSFS	% docenti DSFS	Dettagli pubblicazione (titolo-rivista-DOI)	Open Access SI/NO	Impact Factor (2019)	Quartile (2019)
Viceconti M, Juarez MA, Curreli C, Pennisi M, Russo G, Pappalardo F.	33.3	POSITION PAPER: Credibility of In Silico Trial Technologies - A Theoretical Framing. IEEE Journal of Biomedical and Health Informatics. 2020 Jan;24(1):4-13. doi:10.1109/JBHI.2019. 2949888	NO	5.223	Q1
Dichiara M, Amata B, Turnaturi R, Marrazzo A, Amata E*	100	Tuning Properties for Blood-Brain Barrier Permeation: A Statistics-Based Analysis; ACS Chemical Neuroscience. 2020, 11, 1, 34–44 doi.org/10.1021/acschemneuro.9b00541	NO	4.48	Q1
Li H, Sureda A, Devkota HP, Pittalà V, Barreca D, Silva AS, Tewari D, Xu S, Nabavi SM.	11.1	Curcumin, the golden spice in treating cardiovascular diseases. Biotechnol. Adv. 2020, 38, 107343 doi: 10.1016/j.biotechadv.2019.01.010.	NO	10.744	Q1
Petralia S,* Forte G, Zimbone M, Conoci S.	50	The cooperative interaction of triplex forming oligonucleotides on DNAtriplex formation at electrode surface: Molecular dynamics studies and experimental evidences. Colloids and Surfaces B: Biointerfaces 187 (2020) 110648, https://doi.org/10.1016/j.colsurfb.2019.110648	NO	4.040	Q1
Legnani L, Puglisi R, Pappalardo A, Chiacchio MA,* Trusso Sfrassetto G.		Supramolecular recognition of phosphocholine by an enzyme-like cavitand receptor. Chem. Commun., 2020, 56, 539–542 DOI: 10.1039/c9cc07577a	NO	5.996	Q1
Caruso G, Fresta CG, Grasso M, Santangelo R, Lazzarino G, Lunte SM, Caraci F.	57.1	Inflammation as the Common Biological Link Between Depression and Cardiovascular Diseases: Can Carnosine Exert a Protective Role? Curr Med Chem. 2020;27(11):1782-1800. doi: 10.2174/0929867326666190712091515	No	4.18	Q1
Christodoulou MS, Nicoletti F, Mangano K, Chiacchio MA, Facchetti G, Rimoldi I, Beccalli EM, Giofrè S.	12.5	Novel 3,3-disubstituted oxindole derivatives. Synthesis and evaluation of the anti-proliferative activity Bioorganic & Medicinal Chemistry Letters, Volume 30, Issue 2, 2020, 126845 https://doi.org/10.1016/j.bmcl.2019.126845	SI	2.42	Q2

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Floresta G, Patamia V, Gentile D, Molteni F, Santamato A, Rescifina A*, Vecchio M.	57.1	Repurposing of FDA-Approved Drugs for Treating Iatrogenic Botulism: A Paired 3D-QSAR/Docking Approach Chem Med Chem 2020, 15, 256–262 doi.org/10.1002/cmdc.201900594	No	3.124	Q2
La Manna P, De Rosa M, Talotta C, Rescifina A*, Floresta G, Soriente A, Gaeta C, Neri P.	25	Synergic Interplay Between Halogen Bonding and Hydrogen Bonding in the Activation of a Neutral Substrate in a Nanoconfined Space Angewandte Chemie International Edition 2020, 59,811 – 818 doi.org/10.1002/anie.201909865	No	12.959	Q1
Gentile D, Floresta G, Patamia V, Nicosia A, Mineo PG, Rescifina A.*	66.6	Cucurbit [7] uril as a catalytic nanoreactor for one-pot synthesis of isoxazolidines in water Organic & Biomolecular Chemistry 2020, 18, 1194–1203 doi.org/10.1039/C9OB02352F	No	3.412	Q1
Genovese C., Addamo A., Malfa G.A., Acquaviva R.*, Di Giacomo C., Tomasello B., La Mantia A., Ragusa R., Toscano M.A., Lupo G., Anfuso C.D., Salmeri M.	41.7	Antioxidant, antimicrobial and anticancer activities of Castanea sativa (Fagaceae) extract: new therapeutic perspectives. Plant Biosystems 2020 1-9 doi:10.1080/11263504.2020.1813828	NO	2.06	Q1
Fresta CG, Fidilio A, Lazzarino G, Musso N, Grasso M, Merlo S, Amorini AM, Bucolo C, Tavazzi B, Lazzarino G, Lunte SM, Caraci F, Caruso G*.	30.7	Modulation of Pro-Oxidant and Pro-Inflammatory Activities of M1 Macrophages by the Natural Dipeptide Carnosine. Int J Mol Sci. 2020; 21(3). doi: 10.3390/ijms21030776.	Si	4.55	Q1

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Pasquinucci L, Parenti C, Ruiz-Cantero MC, Georgoussi Z, Pallaki P, Cobos E J, Amata E, M15arrazzo A, Prez16zavento O, Arena 17E, Dichiara M, Salerno L, Turnaturi R.*	46.1	Novel N-Substituted Benzomorphan-Based Compounds: From MOR-Agonist/DOR-Antagonist to Biased/Unbiased MOR Agonists. ACS Med Chem Lett. 2020 Jan 28;11(5):678-685. doi:10.1021/acsmchemlett.9b00549	NO	3.750	Q1
Sciuto E L, Petralia S,* Calabrese G, Conoci S.*	25	An integrated biosensor platform for extraction and detection of nucleic acids. Biotechnology and Bioengineering. 2020;1–8. doi: 10.1002/bit.27290.	NO	4.060 (2019)	Q1
Tibullo D, Longo A, Vicario N, Romano A,* Barbato A, Di Rosa M, Barbagallo I, Anfuso CD, Lupo G, Gulino R, Parenti R, Li Volti GL, Palumbo GA, Di Raimondo FD, Giallongo C.	6,67	Ixazomib Improves Bone Remodeling and Counteracts sonic Hedgehog signaling Inhibition Mediated by Myeloma Cells. Cancers (Basel). 2020 Jan 30;12(2):323. doi: 10.3390/cancers12020323.	SI	6.126	Q1
Giusto E, Codrich M, de Leo G, Francardo V, Coradazzi M, Parenti R, Gulisano M, Vicario N, Gulino R, Leanza G*	20	Compensatory changes in degenerating spinal motoneurons sustain functional sparing in the SOD1-G93A mouse model of amyotrophic lateral sclerosis. J Comp Neurol. 2020;528(2):231-243. doi:10.1002/cne.24751	NO		Q1
Gasbarro L, Padua E, Tancredi V, Annino G, Montorsi M, Maugeri G, D'Amico AG.	14.3	Joint Mobility Protection during the Developmental Age among Free Climbing Practitioners: A Pilot Study. Journal of Functional Morphology and Kinesiology 2020. 5 (1), 14. https://doi.org/10.3390/jfmk5010014	SI		Q3

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Carbone C, Fuochi V, Zielińska A, Musumeci T, Souto E B, Bonaccorso A, Puglia C, Petronio Petronio G, Furneri P M.	44.4	Dual-drugs Delivery in Solid Lipid Nanoparticles for the Treatment of Candida Albicans Mycosis Colloids Surf B Biointerfaces 2020 Feb; 186:110705. doi: 10.1016/j.colsurfb.2019.110705.	SI	4.389	Q1
Carota G, Raffaele M, Amenta M, Ballistreri G, Fabroni S, Rapisarda P, Vanella L,* Sorrenti V.	50	In vitro effects of bioflavonoids rich lemon extract on pre-adipocyte differentiation. NATURAL PRODUCT RESEARCH 2020 Feb 3:1-5. http://doi.org/10.1080/14786419.2020.1721493	NO	2.158 (2019)	Q2
Signorelli SS, Vanella L, Abraham NG, Scuto S, Marino E, Rocic P.	16.7	Pathophysiology of chronic peripheral ischemia: new perspectives. Therapeutic Advances in Chronic Disease. 2020 Feb 5;11:2040622319894466. doi: 10.1177/2040622319894466.	SI	4.257	Q1
Copat C, Rizzo M, Zuccaro A, Grasso A, Zuccarello P, Fiore M, Mancini G, Ferrante M.	25	Metals/Metalloids and Oxidative Status Markers in Saltwater Fish from the Ionic Coast of Sicily, Mediterranean Sea International Journal of Environmental Research Int J 2020 14 , 15–27. DOI: 10.1007/s41742-019-00237-1	si	1.488	Q1
Puglia C,* Santoncito D, Ostacolo C, Sommella ME, Campiglia P, Carbone C, Drago F, Pignatello R, Bucolo C.	44.4	Ocular Formulation Based on Palmitoylethanolamide-Loaded Nanostructured Lipid Carriers: Technological and Pharmacological Profile Nanomaterials (Basel) 2020 Feb 8;10(2):287. doi: 10.3390/nano10020287.	SI	4.324	Q2

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Spampinato M, Sferrazzo G , Pittalà V , Di Rosa M, Vanella L , Salerno L , Sorrenti V , Carota G , Parrinello N, Raffaele M , Tibullo D, Li Volti G*, Barbagallo I.	61.5	Non-competitive heme oxygenase-1 activity inhibitor reduces non-small cell lung cancer glutathione content and regulates cell proliferation. Mol Biol Rep. 2020 Mar;47(3):1949-1964 doi: 10.1007/s11033-020-05292-y.	SI	1.402	Q2
Khan H *, Pervaiz A, Intagliata S , Das N, Nagulapalli Venkata KC, Atanasov AG, Najda A, Nabavi SM, Wang D, Pittalà V , Bishayee A *	18.2	The analgesic potential of glycosides derived from medicinal plants. Daru. 2020 Jun;28(1):387-401. doi: 10.1007/s40199-019-00319-7.	NO	2.739	Q2
Urso M,* Leonardi SG, Neri G, Petralia S , Conoci S, Priolo F, Mirabella S.	14.3	Room temperature detection and modelling of sub-ppm NO2 by low-cost nanoporous NiO film. Sensors and Actuators B: Chemical, 2020, 305, 127481. https://doi.org/10.1016/j.snb.2019.127481	NO	7.1	Q1
Grimaudo MA, Amato G , Carbone C , Diaz-Rodriguez P, Musumeci T , Concheiro A, Alvarez-Lorenzo C, Puglisi G.	50	Micelle-nanogel platform for ferulic acid ocular delivery. International Journal of Pharmaceutics, 2020, 576, 118986 doi: 10.1016/j.ijpharm.2019.118986	NO	4.213	Q1

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Fresta CG, Fidilio A, Caruso G, Caraci F, Giblin FJ, Leggio GM, Salomone S, Drago F, Bucolo C	33.3	A New Human Blood-Retinal Barrier Model Based on Endothelial Cells, Pericytes, and Astrocytes. Int J Mol Sci. 2020; 21(5):1636. doi: 10.3390/ijms21051636.	Si	4.55	Q1
Castruccio Castracani C, Longhitano L, Distefano A, Di Rosa M, Pittalà V, Lupo G, Caruso M, Corona D, Tibullo D, Li Volti G.	10	Heme Oxygenase-1 and Carbon Monoxide Regulate Growth and Progression in Glioblastoma Cells. Mol. Neurobiol., 2020, 57(5), 2436-2446 doi.org/10.1007/s12035-020-01869-7	NO	4.500	Q1
Castellano S, Torrent C, Petralia MC, Godos J, Cantarella RA, Ventimiglia A, De Vivo S, Platania S, Guarnera M, Pirrone C, Drago F, Vieta E, Di Nuovo S, Popovic D, Caraci F.	6.7	Clinical and Neurocognitive Predictors of Functional Outcome in Depressed Patients with Partial Response to Treatment: One Year Follow-Up Study. Neuropsychiatr Dis Treat. 2020;16:589-595. doi: 10.2147/NDT.S224754	SI	2.15	Q2
Grasso R, Pellitteri R, Caravella SA, Musumeci F, Raciti G, Scordino A, Sposito G, Triglia A, Campisi A.	33.3	Dynamic changes in cytoskeleton proteins of olfactory ensheathing cells induced by radiofrequency electromagnetic fields J. Experim. Biol. 2020 Feb 28: 223, jeb217190 doi: 10.1242/jeb.217190	NO	3.014	Q1

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Liparulo A, Esposito R, Santonocito D , Muñoz-Ramírez A, Spaziano, G, Bruno F. Xiao J, Puglia C , Filosa R, Berrino L, D'Agostino B.	18.2	Formulation and Characterization of Solid Lipid Nanoparticles Loading RF22-c, a Potent and Selective 5-LO Inhibitor, in a Monocrotaline-Induced Model of Pulmonary Hypertension. Front Pharmacol 2020 Feb 28; 11:83. doi: 10.3389/fphar.2020.00083.	SI	4.225	Q1
Pappalardo F , Russo G , Pennisi M, Parasiliti Palumbo GA, Sgroi G, Motta S, Maimone D.	28.6	The Potential of Computational Modeling to Predict Disease Course and Treatment Response in Patients with Relapsing Multiple Sclerosis. Cells. 2020 Mar 1;9(3):586. https://doi.org/10.3390/cells9030586	SI	4.366	Q2
Urso M,* Leonardi SG, Neri G, Petralia S , Conoci S, Priolo F, Mirabella S.	11.1	Acetone sensing and modelling by low-cost NiO nanowalls. Materials Letters 262 (2020): 127043. https://doi.org/10.1016/j.matlet.2019.127043	NO	3.204 (2019)	Q2
Trapani G, Caruso VCL, Cucci LM, Attanasio F, Tabbì G, Forte G , La Mendola D,* Satriano C.	12.5	Graphene Oxide Nanosheets Tailored With Aromatic Dipeptide Nanoassemblies for a Tuneable Interaction With Cell Membranes Front Bioeng Biotechnol. 2020 May 8;8:427. doi: 10.3389/fbioe.2020.00427.	SI	3.2 (2019)	Q2
Bonaventura G, Incontro S, Iemmolo R, La Cognata V, Barbagallo I , Costanzo E, Barcellona ML , Pellitteri R, Cavallaro S.	22.2	Dental mesenchymal stem cells and neuro-regeneration: a focus on spinal cord injury. Cell Tissue Res. 2020 Mar;379(3):421-428. doi: 10.1007/s00441-019-03109-4	SI	4.044	Q2

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Grasso R, Dell'Albani P, Carbone C , Spatuzza M, Bonfanti R, Sposito G , Puglisi G , Musumeci F, Scordino A, Campisi A.	44.4	Synergic pro-apoptotic effects of Ferulic Acid and nanostructured lipid carrier in glioblastoma cells assessed through molecular and Delayed Luminescence studies. Scientific Reports, 2020, 10, 4680-4693. doi: 10.1038/s41598-020-61670-3.	SI	4.122	Q1
Teixeira MC, Carbone C , Sousa MC, Espina M, Garcia ML, Sanchez-Lopez E, Souto EB.	14.3	NANOMEDICINES FOR THE DELIVERY OF ANTIMICROBIAL PEPTIDES (AMPS) Nanomaterials, 2020, 10, 560; doi:10.3390/nano10030560	SI	4.324	Q1
Tomasello B , Malaguarnera M, Renis M , Di Giacomo C.	75	Physical Exercise and oxidative stress biomarkers in the elderly. Biochimica Clinica, 2020, 44(1),36-44 doi.10.19186/BC_2019.044.	NO	-	Q4
Platania CBM, Pittalà V , Pascale A, Marchesi N, Anfuso CD, Lupo G, Cristaldi M, Olivieri M, Lazzara F, Di Paola L, Drago F, Bucolo C.	8.33	Novel indole derivatives targeting HuR-mRNA complex to counteract high glucose damage in retinal endothelial cells. Biochem. Pharmacol. 2020, 175, 113908 DOI: 10.1016/j.bcp.2020.113908	NO	4.960	Q1
Sodano F,* Cavanagh RJ, Pearce AK, Lazzarato L, Rolando B, Fraix A , Abelha TF, Vasey CE, Alexander C, Taresco V,* Sortino S.*	18.2	Enhancing doxorubicin anticancer activity with a novel polymeric platform photoreleasing nitric oxide. Biomaterials Science, 2020, 8, 1329-1344. DOI: 10.1039/c9bm01644a	NO	6.183	Q1

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Ciaffaglione V, Intagliata S,* Pittalà V, Marrazzo A, Sorrenti V, Vanella L, Rescifina A, Floresta G, Sultan A, Greish K, Salerno L.*	70	New Arylethanolidazole Derivatives as HO-1 Inhibitors With Cytotoxicity Against MCF-7 Breast Cancer Cells. Int J Mol Sci. 2020 Mar 11;21(6):1923. doi: 10.3390/ijms21061923.	SI	4.556	Q1
Granata G, Petralia S,* Forte G, Conoci S, Consoli GML*	40	Injectable supramolecular nanohydrogel from a micellar self-assembling calix[4]arene derivative and curcumin for a sustained drug release. Materials Science & Engineering C 111 (2020) 110842, https://doi.org/10.1016/j.msec.2020.110842	NO	5.880	Q1
Legnani L, Iannazzo D, Pistone A, Celesti C, Giofrè S, Romeo R, Di Pietro A, Visalli G, Fresta M, Bottino P, Blanco I, Chiacchio MA.*	33.3	Functionalized polyhedral oligosilsesquioxane (POSS) based composites for bone tissue engineering: synthesis, computational and biological studies RSC Adv., 2020, 10, 11325 DOI: 10.1039/d0ra01636e	SI	3.070	Q1
De Plano LM, Carnazza S, Franco D, Rizzo MG, Conoci S, Petralia S, Nicoletti A, Zappia M, Campolo M, Esposito E, Cuzzocrea S, Guglielmino SPP.*	9.1	Innovative IgG Biomarkers Based on Phage Display Microbial Amyloid Mimotope for State and Stage Diagnosis in Alzheimer's Disease. ACS Chem. Neurosci. 2020, 11, 1013–1026, https://dx.doi.org/10.1021/acscemneuro.9b00549	No	4.486	Q1
Turnaturi R, Pasquinucci L*, Chiechio S, Grasso M, Marrazzo A, Amata E, Dichiarà M, Prezzavento O, Parenti C.	88.9	Exploiting the Power of Stereochemistry in Drug Action: 3-[(2S,6S,11S)-8-Hydroxy-6,11-dimethyl-1,4,5,6-tetrahydro-2,6-methano-3-benzazocin-3(2H)-yl]-N-phenylpropanamide as Potent Sigma-1 Receptor Antagonist. ACS Chem Neurosci. 2020;11(7):999-1005 doi:10.1021/acscemneuro.9b00688	NO	3.680	Q1
Floresta G, Carotti A, Ianni F, Sorrenti V, Intagliata S, Rescifina A, Salerno L, Di Michele A, Sardella R,*, Pittalà V.*	50	Chromatographic resolution of phenylethanolic-azole racemic compounds highlighted stereoselective inhibition of heme oxygenase-1 by (R)-enantiomers. Bioorg Chem. 2020 Jun;99:103777. doi: 10.1016/j.bioorg.2020.103777.	No	4.831	Q1

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Campisi A, Bonfanti R, Raciti G, Bonaventura G, Legnani L, Magro G, Pennisi M, Russo G, Chiacchio MA, Pappalardo F, Parenti R.	45.5	Gene silencing of transferrin-1 receptor as a potential therapeutic target for human follicular and anaplastic thyroid cancer. Molecular Therapy - Oncolytics. 2020 Jan 21;16:197-206 doi:10.1016/j.omto.2020.01.003	SI	4.115	Q1
Hampel H, Caraci F, Cuello AC, Caruso G, Nisticò R, Corbo M, Baldacci F, Toschi N, Garaci F, Chiesa PA, V Verdooner SR, Akman-Anderson L, Hernández F, Ávila J, Emanuele E, Valenzuela PL, Lucía A, Watling M, Imbimbo BP, Vergallo A, Lista S.	9.5	A Path Toward Precision Medicine for Neuroinflammatory Mechanisms in Alzheimer's Disease. Front Immunol. 2020 11:456. doi: 10.3389/fimmu.2020.00456	SI	5.08	Q1
Carta MG, Fineberg N, Moro MF, Preti A, Romano F, Balestrieri M, Caraci F, Dell'Osso L, Disciascio G, Drago F, Hardoy MC, Roncone R, Minerba L, Faravelli C, Angst J.	6.6	The Burden of Comorbidity Between Bipolar Spectrum and Obsessive-Compulsive Disorder in an Italian Community Survey. Front Psychiatry. 2020;11:188. doi: 10.3389/fpsyt.2020.00188.	SI	2.84	Q1

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Di Pietro P, Forte G , Snyders R, Satriano C, Bittencourt C, Thiry D.	16.7	Sulphur functionalization of graphene oxide by radiofrequency plasma Plasma Process Polym. 2020;17:e2000039 DOI: 10.1002/ppap.202000039	No	3.07 (2019)	Q1
D'Amico AG , Maugeri G, Saccone S, Federico C, Cavallaro S, Reglodi D, D'Agata V.*	14.3	PACAP Modulates the Autophagy Process in an In Vitro Model of Amyotrophic Lateral Sclerosis. Int. J. Mol. Sci. 2020, 21(8), 2943; https://doi.org/10.3390/ijms21082943 .	SI	4.182	Q1
Amata E* , Dichiara M, Gentile D, Marrazzo A, Turnaturi R, Arena E, La Mantia A, Tomasello BR Acquaviva R, Di Giacomo C, Rescifina A, Prezzavento O*	91	Sigma receptor ligands carrying a nitric oxide donor nitrate moiety: Synthesis, in silico, and biological evaluation; ACS Med. Chem. Lett. 2020, 11, 889–894 doi.org/10.1021/acsmchemlett.9b00661	NO	3.975	Q1
Caraci F , Coluzzi F, Marinangeli F, Mercadante S, Rinonapoli G, Romualdi P, Nicora M, Dickenson AH.	12.5	Modulation of sensitization processes in the management of pain and the importance of descending pathways: a role for tapentadol? Curr Med Res Opin. 2020; 36(6):1015-1024. doi: 10.1080/03007995.2020.1748876 .	NO	2.27	Q2
Puglia C,* Santonocito D , Bonaccorso A, Musumeci T , Ruozi B, Pignatello R , Carbone C , Parenti C , Chiechio S .	88.9	Lipid Nanoparticle Inclusion Prevents Capsaicin-Induced TRPV1 Defunctionalization. Pharmaceutics. 2020 Apr; 12(4): 339. doi: 10.3390/pharmaceutics12040339	SI	4.773	Q1
Fraix A , Conte C, Gazzano E, Riganti C,* Quaglia F,* Sortino S.*	33.3	Overcoming doxorubicin resistance with lipid-polymer hybrid nanoparticles photoreleasing nitric oxide. Molecular Pharmaceutics, 2020, 17, 2135-2144. DOI: 10.1021/acs.molpharmaceut.0c00290	NO	4.321	Q1

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Intagliata S, Helal MA, Materia L, Pittalà V, Salerno L, Marrazzo A, Cagnotto A, Salmona M, Modica MN * Romeo G.	60	Synthesis and Molecular Modelling Studies of New 1,3-Diaryl-5-Oxo-Proline Derivatives as Endothelin Receptor Ligands. Molecules. 2020 Apr 17;25(8):1851. doi: 10.3390/molecules25081851.	Si	3.267	Q2
Di Rosa M*, Giallongo C, Romano A, Tibullo D, Li Volti G, Musumeci G, Barbagallo I, Imbesi R, Castrogiovanni P, Palumbo GA.	10	Immunoproteasome Genes Are Modulated in CD34 JAK2 V617F Mutated Cells from Primary Myelofibrosis Patients. Int J Mol Sci. 2020 Apr 22;21(8):2926. doi: 10.3390/ijms21082926.	SI	4.556	Q1
Godos J, Currenti W, Angelino D, Mena P, Castellano S, Caraci F, Galvano F, Del Rio D, Ferri R, Grosso G.	10	Diet and Mental Health: Review of the Recent Updates on Molecular Mechanisms. Antioxidants (Basel). 2020; 9(4):346. doi: 10.3390/antiox9040346.	SI	5.01	Q1
Gentile D, Patamia V, Scala A, Sciortino MT, Piperno A, Rescifina A*	50	Putative Inhibitors of SARS-CoV-2 Main Protease from A Library of Marine Natural Products: A Virtual Screening and Molecular Modeling Study Marine Drugs 2020, 18(4), 225 doi.org/10.3390/md18040225	Si	4.073	Q1

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Alhakamy NA, Fahmy UA, Ahmed OAA, Caruso G, Caraci F, Asfour HZ, Bakhrebah MA, N Alomary M, Abdulaal WH, Okbazghi SZ, Abdel-Naim AB, Eid BG, Aldawsari HM, Kurakula M, Mohamed AI.	13.3	Chitosan Coated Microparticles Enhance Simvastatin Colon Targeting and Pro-Apoptotic Activity. Mar Drugs. 2020; 18(4):226. doi: 10.3390/md18040226.	SI	4.07	Q1
Godos J, Ferri R, Castellano S, Angelino D, Mena P, Del Rio D, Caraci F, Galvano F, Grosso G.	11.1	Specific Dietary (Poly)phenols Are Associated with Sleep Quality in a Cohort of Italian Adults. Nutrients. 2020; 12(5):1226. doi: 10.3390/nu12051226.	SI	4.54	Q1
Ballistreri G, Amenta M, Fabroni S, Consoli V, Grosso S, Vanella L, Sorrenti V Rapisarda P.	50%	Evaluation of lipid and cholesterol-lowering effect of bioflavonoids from bergamot extract. Nat Prod Res. 2020 May 22:1-6. doi: 10.1080/14786419.2020.1768085.	NO	2.158	Q2
Carbone C* , Caddeo C, Grimaudo MA, Manno DE, Serra A, Musumeci T.	33.33	Ferulic Acid-NLC with Lavandula Essential Oil: A Possible Strategy for Wound-Healing? Nanomaterials, 2020, 10, 898; doi:10.3390/nano10050898	SI	4.324	Q1
Bonaccorso A, Gigliobianco MR, Pellitteri R, Santonocito D, Carbone C, Di Martino P, Puglisi G, Musumeci T.	37.5	Optimization of Curcumin Nanocrystals as Promising Strategy for Nose-to-Brain Delivery Application. Pharmaceutics. 2020 May 23;12(5):476. doi: 10.3390/pharmaceutics12050476.	SI	4.773	Q1
Lanza G*, Chiacchio MA.	100	The water molecule arrangement over the side chain of some aliphatic amino acids: A quantum chemical and bottom-up investigation. International Journal of Quantum Chemistry 2020, 120, e26161 https://doi.org/10.1002/qua.26161	NO	1.747	Q2

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MC, Messina MA, Nicolosi G, Petralia S , Baker MD, Mayne CKS, Dinon CM, Moss CJ, Onac BP, Garey LR.*	11.1	Surface runoff alters cave microbial community structure and function. PLoS ONE 2020 15(5): e0232742. https://doi.org/10.1371/journal.pone.0232742	SI	2.776 (2019)	Q1
Guerrera CS, Furneri G, Grasso M , Caruso G , Castellano S, Drago F, Di Nuovo S, Caraci F*	37.5	Antidepressant Drugs and Physical Activity: A Possible Synergism in the Treatment of Major Depression? Front Psychol. 2020; 11:857. doi: 10.3389/fpsyg.2020.00857.	SI	2.06	Q1
Hampel H, Vergallo A, Caraci F , Cuello AC, Lemercier P, Vellas B, Giudici KV, Baldacci F, Hänisch B, Haberkamp M, Broich K, Nisticò R, Emanuele E, Llaveró F, Zugaza JL, Lucía A, Giacobini E, Lista S	5.5	Future avenues for Alzheimer's disease detection and therapy: Liquid biopsy, intracellular signaling modulation, systems pharmacology drug discovery. Alzheimer Precision Medicine Initiative (APMI). Neuropharmacology 2020 11:108081. doi: 10.1016/j.neuropharm.2020.108081	NO	4.43	Q1

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Fraix, A. Parisi, C. Failla, M. Chegaev, K. Spyrakis, F. Lazzarato, L.* Fruttero, R. Gasco, A. Sortino, S.*	22.2	NO release regulated by doxorubicin as the green light-harvesting antenna. Chem. Commun., 2020, 56, 6332-6335. DOI: 10.1039/DOCC02512G Inside cover, issue 47	NO	5.996	Q1
Sferrazzo G, Di Rosa M, Barone E, Li Volti G*, Musso N, Tibullo D, Barbagallo I.*	14.3	Heme Oxygenase-1 in Central Nervous System Malignancies. J Clin Med. 2020 May 21;9(5):1562. doi: 10.3390/jcm9051562.	SI	3.303	Q1
Pisciotta P, Costantino A, Cammarata FP, Torrise F, Calabrese G, Marchese V, Cirrone GAP, Petringa G, Forte GI, Minafra L, Bravatà V, Gulisano M, Scopelliti F, Tommasino F, Scifoni E, Cuttone G, Ippolito M, Parenti R, Russo G.	5.2	Evaluation of proton beam radiation-induced skin injury in a murine model using a clinical SOBP. PLoS ONE 2020 May 22;15(5):e0233258 doi.org/10.1371/journal.pone.0233258	SI	2.740	Q1
Spadaro A*, Rao M, Lorenti M, Romano MR, Augello A, Eandi CM, Platania CBM, Drago F, Bucolo C. *	33.3	New Brilliant Blue G Derivative as Pharmacological Tool in Retinal Surgery. Front Pharmacol. 2020 May 25;11:708. doi: 10.3389/fphar.2020.00708.	SI	4.225	Q2

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Cardile V, Avola R, Graziano A, Russo A.*	25	Moscaticin, a bibenzyl derivative from orchid <i>Dendrobium loddigesii</i> induces Apoptosis in melanoma cells Chemico Biol Interact 323 2020 10.1016/j.cbi.2020.109075	No	3.7	Q1
Parisi C, Fraix, A. Guglielmo, S. Spyrakis, F. Rolando, B. Lazzarato, L.* Fruttero, R. Gasco, A. Sortino, S.*	22.2	DNA-targeted NO release photoregulated by green light. Chem. Eur. J., 2020, online. DOI: 10.1002/chem.202001538	NO	4.857	Q1
Gaeta M, Sanfilippo G, Fraix A, Sortino G, Barcellona M, Oliveri Conti G, Fragala ME, Ferrante M, Purrello R, D'Urso A.*	10	Photodegradation of antibiotics by noncovalent porphyrin-functionalized TiO ₂ in water for the bacterial antibiotic resistance risk management. Int. J. Mol. Sci., 2020, 21,3775. DOI:10.3390/ijms21113775	SI	4.556	Q1
Pennetta C, Floresta G, Graziano ACE, Cardile V, Rubino L, Galimberti M, Rescifina A* , Barbera V.	25	Functionalization of Single and Multi-Walled Carbon Nanotubes with Polypropylene Glycol Decorated Pyrrole for the Development of Doxorubicin Nano-Conveyors for Cancer Drug Delivery Nanomaterials 2020, 10(6), 1073; doi.org/10.3390/nano10061073	Si	4.324	Q2
Maugeri G, D'Amico AG, Musumeci G, Reglodi D, D'Agata V.	20	Effects of PACAP on Schwann Cells: Focus on Nerve Injury. 2020 Nov 3;21(21):8233.doi: 10.3390/ijms21218233.	SI	4.556	Q1

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Toth D, Szabo E, Tamas A, Juhasz T, Horvath G, Fabian E, Opper B, Szabo D, Maugeri G, D'Amico AG, D'Agata V, Vicena V, Reglodi D.*	7.7	Protective effects of PACAP in peripheral organs. Front. Endocrinol. 2020 Jul 14;11:377. doi: 10.3389/fendo.2020.00377	SI	3.836	Q1
Lauretta G, Ravalli S, Szychlinska MA, Castorina A, Maugeri G, D'Amico AG, D'Agata V, Musumeci G*.	12.5	Current knowledge of pituitary adenylate cyclase activating polypeptide (PACAP) in articular cartilage. Histol Histopathol. 2020 Jun 16:18233. doi: 10.14670/HH-18-233.	SI	2.021	Q2
Maugeri G, D'Amico AG, Morello G, Reglodi D, Cavallaro S, D'Agata V.*	16.7	Differential Vulnerability of Oculomotor Versus Hypoglossal Nucleus During ALS: Involvement of PACAP. Front Neurosci. 2020 Aug 11;14:805. doi: 10.3389/fnins.2020.00805.	SI	6.515	Q1
Vicario N, Turnaturi R, Spitale FM, Torrise F, Zappalà A, Gulino R, Pasquinucci L, Chiechio S, Parenti C*, Parenti R*.	30	Intercellular communication and ion channels in neuropathic pain chronicization Inflamm Res. 2020;10.1007/s00011-020-01363-9. doi:10.1007/s00011-020-01363-9	NO	3.174	Q1
Caruso G*, Musso N, Grasso M, Costantino A, Lazzarino G, Tascedda F, Gulisano M, Lunte SM, Caraci F.	44.4	Microfluidics as a Novel Tool for Biological and Toxicological Assays in Drug Discovery Processes: Focus on Microchip Electrophoresis Micromachines (Basel). 2020; 11:E593. doi: 10.3390/mi11060593	SI	2.52	Q2
Kasongo DW, de Leo G, Vicario N, Leanza G*, Legname G*.	20	Chronic α -Synuclein Accumulation in Rat Hippocampus Induces Lewy Bodies Formation and Specific Cognitive Impairments. eNeuro. 2020;7(3):ENEURO.0009-20.2020. doi:10.1523/ENEURO.0009-20.2020	SI		Q1

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Parisi C, Seggio M, Fraix A, Sortino S.*	50	A high-performing metal free photoactivatable no donor with a green fluorescent reporter. ChemPhotoChem, 2020, online. DOI: 10.1002/cptc.202000100	NO	2.838	Q3
Awan ZA, Fahmy UA, Badr-Eldin SM, Ibrahim TS, Asfour HZ, Al-Rabia MW, Alfarsi A, Alhakamy NA, Abdulaal WH, Al Sadoun H, Helmi N, Noor AO, Caraci F, Almasri DM, Caruso G*.	13.3	The Enhanced Cytotoxic and Pro-Apoptotic Effects of Optimized Simvastatin-Loaded Emulsomes on MCF-7 Breast Cancer Cells Pharmaceutics. 2020 ;12:E597. doi: 10.3390/pharmaceutics12070597.	SI	4.42	Q1
Curcio C, Greco A S, Rizzo S, Saitta L, Musumeci T, Ruozi B, Pignatello R.*	71.4	Development, optimization and characterization of Eudraguard®-based microparticles for colon delivery. Pharmaceutics 2020, 13, 131 doi:10.3390/ph13060131	Si	4.286	Q1
Tenuta MC, Deguin B, Loizzo MR, Dugay A, Acquaviva R, Malfa GA, Bonesi M, Bouzidi C, Tundis R.	22.2	Contribution of Flavonoids and Iridoids to the Hypoglycaemic, Antioxidant, and Nitric Oxide (NO) Inhibitory Activities of Arbutus unedo L. Antioxidants 2020, Feb 22;9(2). pii: E184, doi: 10.3390/antiox9020184	SI	5.014	Q1
Tenuta MC, Malfa GA, Bonesi M, Acquaviva R, Loizzo MR, Dugay A, Bouzidi C, Tomasello B, Tundis R, Deguin B.	30	LC-ESI-QTOF-MS profiling, protective effects on oxidative damage, and inhibitory activity of enzymes linked to type 2 diabetes and nitric oxide production of Vaccinium corymbosum L. (Ericaceae) extracts Journal of Berry Research, 2020, 10, 603-622 DOI:10.3233/JBR-200536	Si	2.620	Q1
Miceli N, Cavò E, Ragusa M, Cacciola F, Mondello L, Dugo L, Acquaviva R, Malfa GA, Marino A, D'Arrigo M, Taviano MF.	18.2	Brassica incana Ten. (Brassicaceae): phenolic constituents, antioxidant and cytotoxic properties of the leaf and flowering top extracts Molecules 2020, 25 (6), 1461; doi: 10.3390/molecules25061461	Si	3,267	Q2

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Ahmed OAA, Fahmy UA, Badr-Eldin SM, Aldawsari HM, Awan ZA, Asfour HZ, Kammoun AK, Caruso G, Caraci F, Alfarsi A, Al-Ghamdi RA, Al-Ghamdi RA, Alhakamy NA.	15.4	Application of Nanopharmaceutics for Flibanserin Brain Delivery Augmentation Via the Nasal Route Nanomaterials (Basel). 2020;10:E1270. doi: 10.3390/nano10071270.	SI	4.32	Q1
Santonocito D, Sarpietro MG, Carbone C, Panico AM, Campisi A, Siciliano EA, Sposito G, Castelli F, Puglia C.*	100	Curcumin Containing PEGylated Solid Lipid Nanoparticles for Systemic Administration: A Preliminary Study. Molecules. 2020 Jun 30; 25(13):E2991. doi: 10.3390/molecules25132991.	SI	3.267	Q2
Intagliata S, Agha H, Kopajtic TA, Katz JL, Kamble SH, Sharma A, Avery BA, McCurdy CR.	12.5	Exploring 1-adamantanamine as an alternative amine moiety for metabolically labile azepane ring in newly synthesized benzo[d]thiazol-2(3H)one σ receptor ligands. Med. Chem. Res., 2020, 29, 1697-1706. doi: 10.1007/s00044-020-02597-2.	NO	1.783	Q1
Alhakamy NA, Ahmed OAA, Kurakula M, Caruso G, Caraci F, Asfour HZ, Alfarsi A, Eid BG, Mohamed AI, Alruwaili NK, Abdulaal WH, Fahmy UA, Alhadrami HA, Eldakhakhny BM, Abdel-Naim AB.	13.3	Chitosan-Based Microparticles Enhance Ellagic Acid's Colon Targeting and Proapoptotic Activity. Pharmaceutics, 2020. 12:652. doi: 10.3390/pharmaceutics12070652.	SI	4.42	Q1

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Taviano MF, Miceli N, Acquaviva R, Malfa GA, Ragusa S, Giordano D, Cásedas G, Les F, López V*	22.2	Cytotoxic, antioxidant and enzyme inhibitory properties of the traditional medicinal plant <i>Matthiola incana</i> (L.) R. Br. <i>Biology</i> 2020, 9(7), 163; https://doi.org/10.3390/biology9070163	SI	3,796	Q1
Russo G, Reche P, Pennisi M, Pappalardo F.	50	The combination of artificial intelligence and systems biology for intelligent vaccine design. <i>Expert Opinion on Drug Discovery</i> . 2020 Nov;15(11):1267-1281. doi:10.1080/17460441.2020.1791076	NO	4.887	Q1
Santangelo R, Rizzarelli E, Copani A*.	66.7	Role for metallothionein-3 in the resistance of human U87 glioblastoma cells to temozolomide <i>ACS Omega</i> . 2020 Jul 16;5(29):17900-17907. doi: 10.1021/acsomega.9b04483.	SI	2.870	Q1
Cariati I, Scimeca M, Tancredi V, D'Amico AG, Pallone G, Palmieri M, Frank C, D'Arcangelo G	12.5	Effects of Different Continuous Aerobic Training Protocols in a Heterozygous Mouse Model of Niemann-Pick Type C Disease. <i>J Funct Morphol Kinesiol</i> 2020 Jul 18;5(3):53. doi: 10.3390/jfmk5030053.	SI		Q3
Intagliata S, Sharma A, King TI, Mesangeau C, Seminerio M, Chin FT, Wilson LL, Matsumoto RR, McLaughlin JP, Avery BA, McCurdy CR.	9.1	Discovery of a Highly Selective Sigma-2 Receptor Ligand, 1-(4-(6,7-Dimethoxy-3,4-dihydroisoquinolin-2(1H)-yl)butyl)-3-methyl-1H-benzo[d]imidazol-2(3H)-one (CM398), with Drug-Like Properties and Antinociceptive Effects In Vivo. <i>AAPS J.</i> , 2020, 22, 94. doi: 10.1208/s12248-020-00472-x.	NO	4.110	Q1

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Tomasello B* , Di Mauro MD , Malfa GA , Acquaviva R , Sinatra F, Spampinato G, Laudani S, Villaggio G, Bielak-Zmijewska A, Grabowska W, Barbagallo IA , Liuzzo MT, Sbisà E, Forte MG, Di Giacomo C , Bonucci M, Renis M .	41.2	Rapha Myr®, a Blend of Sulforaphane and Myrosinase, Exerts Antitumor and Anoikis-Sensitizing Effects on Human Astrocytoma Cells Modulating Sirtuins and DNA Methylation. Int. J. Mol. Sci. 2020, 21(15), 5328; https://doi.org/10.3390/ijms21155328	SI	4.556	Q1
Sanches Silva A, Reboledo-Rodríguez P, Sanchez-Machado DI, López-Cervantes J, Barreca D, Pittala V , Samec D, Orhan IE, Gulcan HO, Forbes-Hernandez TY, Battino M, Nabavi SF, Devi KP, Nabavi SM.	6.7	Evaluation of the status quo of polyphenols analysis: Part II—Analysis methods and food processing effects. Comprehensive Rev. Food Sci. Food Safety, 2020, DOI: 10.1111/1541-4337.12626	NO	9.912	Q1
Raffaele M, Licari M, Amin S, Alex R, Shen HH, Singh SP, Vanella L , Rezzani R, Bonomini F, Peterson SJ, Stec DE, Abraham NG.	8.3	Cold Press Pomegranate Seed Oil Attenuates Dietary-Obesity Induced Hepatic Steatosis and Fibrosis through Antioxidant and Mitochondrial Pathways in Obese Mice. Int J Mol Sci. 2020 Jul 31;21(15):5469. doi: 10.3390/ijms21155469.	SI	4.556	Q1
Baez C, Villena J, Montenegro I, Russo A , Said B, Madrid A.	16.6	Cytotoxic activity of crude extracts and fractions from <i>Blepharocalyx xcruckshanksii</i> against selected human cancer cell lines Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromaticas, 2020 19 (4), pp. 357-362. DOI: 10.37360/BLACPMA.20.19.4.23	SI	0.825	Q2

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Russo A , Bruno M, Avola R, Cardile V, Rigano D.	20	Chamazulene rich Artemisia arborescens essential oils affect the cell growth of human melanoma cells Plants 9(8): 2020 Aug 6;9(8):1000. 10.3390/plants9081000.	Si	2.632	Q1
Gentile D , Fuochi V, Rescifina A* , Furneri PM.	50	New Anti SARS-Cov-2 Targets for Quinoline Derivatives Chloroquine and Hydroxychloroquine International Journal of Molecular Sciences 2020, 21(16), 5856 doi.org/10.3390/ijms21165856	Si	4.556	Q1
Vergallo A, Lista S, Lemercier P, Chiesa PA, Zetterberg H, Blennow K, Potier MC, Habert MO, Baldacci F E, Caraci F , Dubois B, Hampel H.	8.3	Association of plasma YKL-40 with brain amyloid- β levels, memory performance, and sex in subjective memory complainers. <i>Neurobiol Aging</i> . 2020;96:22-32. doi:10.1016/j.neurobiolaging.2020.07.009.	No	4.34	Q1
Spadaro A* , Basile L , Pappalardo M , Bonaccorso C , Rao M , Ronsisvalle S , Granata G, Guccione S* .	87.5	Quantum Chemical and Molecular Dynamics Studies of MUC1 Calix[4,8]arene Scaffold Based Anticancer Vaccine Candidates. J Chem Inf Model. 2020 Oct 26;60(10):5162-5171. doi: 10.1021/acs.jcim.9b00989.	No	4.549	Q1
Calabrese G, Petràlia S, Fabbi C, Forte S , Franco D, Guglielmino S, Esposito E, Cuzzocrea S, Traina F, Conoci S.	10	Au, Pd and maghemite nanofunctionalized hydroxyapatite scaffolds for bone regeneration Regenerative Biomaterials, 2020, 1–9. doi:10.1093/rb/rbaa033	no	4.88	Q1

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Seggio M, Tessaro AL, Nostro A, Ginestra G, Graziano ACE, Cardile V, Acierno S, Russo P, Catanzano O, Quaglia F,* Sortino S.*	9	A Thermoresponsive Gel Photoreleasing Nitric Oxide for Potential Ocular Applications J. Mater Chem. B 2020, 8, 9121-9128. 10.1039/D0TB01194K	No	5.344	Q1
Cammarata FP, Forte GI, Broggi G, Bravatà V, Minafra L, Pisciotta P, Calvaruso M, Tringali R, Tomasello B, Torrise F, Petringa G, Cirrone GAP, Cuttone G, Acquaviva R, Caltabiano R, Russo G.	12.5	Molecular Investigation on a Triple Negative Breast Cancer Xenograft Model Exposed to Proton Beams. Int. J. Mol. Sci. 2020, 21(17), 6337; https://doi.org/10.3390/ijms21176337 .	SI	4.556	Q1
Ronsisvalle S, Panarello F, Longhitano G, Siciliano EA, Montenegro L*, Panico A.	100	Natural flavones and flavonols: Relationships among antioxidant activity, glycation, and metalloproteinase inhibition. Cosmetics 2020,7,71 doi:10.3390/COSMETICS7030071	Si		Q2
Cesari A, Uccello Barretta G, Kirschner KN*, Pappalardo M, Basile L, Guccione S*, Russotto C, Lauro ML, Cavaliere F, Balzano F*.	40%	Interaction of natural flavonoid eriocitrin with β -cyclodextrin and hydroxypropyl- β -cyclodextrin: an NMR and molecular dynamics investigation. <i>New Journal of Chemistry</i> , 2020, 44 , 16431-16441 DOI:10.1039/D0NJ02022B	No	3.288	Q2
Godos J, Caraci F, Castellano S, Currenti W, Galvano F, Ferri R, Grosso G	14.2	Association Between Dietary Flavonoids Intake and Cognitive Function in an Italian Cohort. Biomolecules. 2020; 10(9):E1300. doi: 10.3390/biom10091300	Si	4.08	Q1

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Musumeci T, Bonaccorso A, Carbone C, Impallomeni G, Ballistreri A, Duskey JT, Puglisi G, Pignatello R.	62.5	Development and biocompatibility assessments of poly(3-hydroxybutyrate-co-ε-caprolactone) microparticles for diclofenac sodium delivery Journal of Drug Delivery Science and Technology , 2020, 60, 102081. https://doi.org/10.1016/j.jddst.2020.102081	NO	2.734	Q2
Malfa GA*, Tomasello B, Acquaviva R, La Mantia A, Pappalardo F, Ragusa M, Renis, M Di Giacomo C.	75	The Antioxidant Activities of Betula etnensis Rafin. Ethanolic Extract Exert Protective and Anti-diabetic Effects on Streptozotocin-Induced Diabetes in Rats. Antioxidants 2020, 9, 847 https://doi.org/10.3390/antiox9090847	SI	5.014	Q1
Popa R, Kamble SH, Kanumuri RS, King TI, Berthold EC, Intagliata S, Sharma A, McCurdy CR.	12.5	Bioanalytical method development and pharmacokinetics of MCI-92, a sigma-1 receptor ligand. J Pharm Biomed Anal. 2020, 191, 113610. doi: 10.1016/j.jpba.2020.113610.	NO	3.209	Q1
Grassi A, Lombardo GM, Punzo F.	33.3	Wrapping and unwrapping an indicaxanthin molecule: A computational approach Computational and Theoretical Chemistry 1191 (2020) 1130282 doi:10.1016/j.comptc.2020.113028	NO	1.604	Q4
E. L.Sciuto E, S. Petralia S* van der MeerJR, Conoci S.*	25	Miniaturized Electrochemical Biosensor based on Whole Cell for Heavy Metal Ions Detection in Water. Biotechnology and Bioengineering. 2020;1–10. DOI: 10.1002/bit.27646	NO	4.00	Q1
Tomasella C, Floris M*, Guccione S, Pappalardo M, Livia Basile L.*	80	Peptidomimetics in Silico Molecular Informatics 2020, 39, 2000087. Article DOI: 10.1002/minf.202000087	No	2.741	Q2
Floresta G, Cardullo N, Spatafora C, Rescifina A*, Tringali C.	40	A Rare Natural Benzo[k,l]xanthene as a Turn-Off Fluorescent Sensor for Cu ²⁺ Ion International Journal of Molecular Sciences 2020, 21(18), 6933 doi.org/10.3390/ijms21186933	Si	4.556	Q1

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Floresta G, Fallica AN, Romeo G, Sorrenti V, Salerno L, Rescifina A, Pittalà V.	100	Identification of a potent heme oxygenase-2 (HO-2) inhibitor by targeting the secondary hydrophobic pocket of the HO-2 western region. Bioorg. Chem., 2020, 104,10431 DOI: 10.1016/j.bioorg.2020.104310	NO	4.831	Q1
Ianni F, Carotti A, Intagliata S, Macchiarulo A, Chankvetadze B, Pittalà V, Sardella, R.	28.6	Laboratory-Scale Semipreparative Enantioresolution of Phenylethanolic-Azole Heme Oxygenase-1 Inhibitors. Chromatographia, 2020, 83(12), 1509-1515 DOI: 10.1007/s10337-020-03972-2	NO	1.596	Q3
Fahmy UA, Aldawsari HM, Badr-Eldin SM, Ahmed OAA, Alhakamy NA, Alsulimani HH, Caraci F, Caruso G.	25	The Encapsulation of Febuxostat into Emulsomes Strongly Enhances the Cytotoxic Potential of the Drug on HCT 116 Colon Cancer Cells. Pharmaceutics. 2020; 12(10):E956. doi: 10.3390/pharmaceutics12100956.	Si	4.42	Q1
Shen HH, Alex R, Bellner L, Raffaele M, Licari M, Vanella L, Stec DE, Abraham NG.	12.5	Milk thistle seed cold press oil attenuates markers of the metabolic syndrome in a mouse model of dietary-induced obesity. J Food Biochemistry 2020 Dec;44(12):e1352doi: 10.1111/jfbc.13522.	SI	1.662	Q3
Burgaletto C, Munafò A, Di Benedetto G, De Francisci C, Caraci F, Di Mauro R, Bucolo C, Bernardini R, Cantarella G	11.1	The immune system on the TRAIL of Alzheimer's disease. J Neuroinflammation. 2020;17(1):298. doi: 10.1186/s12974-020-01968-1	No	5.79	Q1

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Barbagallo C, Di Martino MT, Grasso M , Salluzzo MG, Scionti F, Cosentino FII, Caruso G , Barbagallo D, Di Pietro C, Ferri R, Caraci F* , Purrello M, Ragusa M.	23	Uncharacterized RNAs in Plasma of Alzheimer's Patients Are Associated with Cognitive Impairment and Show a Potential Diagnostic Power. Int J Mol Sci. 2020;21(20):7644. doi: 10.3390/ijms21207644.	Si	4.55	Q1
Hampel H, Lista S, Vanmechelen E, Zetterberg H, Giorgi FS, Galgani A, Blennow K, Caraci F , Das B, Yan R, Vergallo A.	9.1	β -Secretase1 biological markers for Alzheimer's disease: state-of-art of validation and qualification. Alzheimers Res Ther. 2020;12(1):130. doi: 10.1186/s13195-020-00686-3	Si	6.11	Q1
Ronsisvalle S , Panarello F , Spadaro A , Franchini S, Pappalardo M , Guccione S , Basile L .	85,7	Pharmacological properties and biochemical mechanisms of μ -opioid receptor ligands might be due to different binding poses: MD studies. Future Med Chem. 2020 Nov;12(22):2001-2018. doi: 10.4155/fmc-2020-0249	NO	3.607	Q2
Santonocito D , Granata G, Geraci C, Panico A , Siciliano EA , Raciti G , Puglia C .	71,4	Carob Seeds: Food Waste or Source of Bioactive Compounds? <i>Pharmaceutics</i> . 2020, 12(11):1090. doi: 10.3390/pharmaceutics12111090.	SI	4.773	Q1
Genovese C, Acquaviva R , Ronsisvalle S , Tempera G, Malfa GA , D'Angeli F, Ragusa S, Nicolosi D.	37.5	In vitro evaluation of biological activities of Orobanche crenata Forssk. leaves extract. Natural Product Research 2020 Nov;34(22):3234-3238. DOI: 10.1080/14786419.2018.1552697	No		Q3

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Yeung AWK, Orhan IE, Aggarwal BB, Battino M, Belwal T, Bishayee A, Daglia M, Devkota, HP, El-Demerdash A, Balacheva AA, Georgieva MG, Gupta VK, Horbańczuk JO, Jóźwik A, Mozos I, Nabavi SM, Pittala V, Feder-Kubis J, Silva AS, Sheridan H, Sureda A, Wang D, Weissig V, Yang Y, Zengin G, Shanker K, Moosavi MA, Shah MA, Al-Rimawi F, Durazzo A, Lucarini M, Souto EB, Santini A, Djilianov D, Das N, Skotti EP.	2.78	Berberine, a popular dietary supplement for human and animal health: Quantitative research literature analysis – a review. Animal Sci. Papers Rep., 2020, 38(1), 5-19	SI	0.688	Q4
Ronsisvalle S, Panarello F, Di Mauro R, Bernardini R, Volti GL, Cantarella G.	16.7	Anti-malarial Drugs are Not Created Equal for SARS-CoV-2 Treatment: A Computational Analysis Evidence. Curr Pharm Des. 2020 Dec 9. doi: 10.2174/1381612826666201210092736	No		Q2
Gentile D, Floresta G, Patamia V, Chiaromonte R, Mauro GL, Rescifina A*, Michele Vecchio	57%	An Integrated Pharmacophore/Docking/3D-QSAR Approach to Screening a Large Library of Products in Search of Future Botulinum Neurotoxin A Inhibitors International Journal of Molecular Sciences doi.org/10.3390/ijms21249470	Si	4.556	Q1

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Ramsay RR*, Basile L, Maniquet A, Hagenow S, Pappalardo M, Saija MC, Bryant SD, Albreht A, Guccione S.	44,4	Parameters for Irreversible Inactivation of Monoamine Oxidase. Molecules. 2020 Dec 13;25(24):5908. doi: 10.3390/molecules25245908.	SI	3.267	Q1
Pernice S, Follia L, Maglione A, Pennisi M, Pappalardo F, Novelli F, Clerico M, Beccuti M, Cordero F, Rolla S.	10	Computational modeling of the immune response in multiple sclerosis using epimod framework. BMC Bioinformatics. 2020 Dec 14;21(Suppl 17):550. doi:10.1186/s12859-020-03823-9	SI	3.242	Q1
Russo G, Pennisi M, Fichera E, Motta S, Raciti G, Viceconti M, Pappalardo F.	28.6	In silico trial to test COVID-19 candidate vaccines: a case study with UISS platform. BMC Bioinformatics. 2020 Dec 14;21(Suppl 17):527. doi:10.1186/s12859-020-03872-0	SI	3.242	Q1
Pappalardo F, Russo G, Reche PA.	66.7	Toward computational modelling on immune system function. BMC Bioinformatics. 2020 Dec 14;21(Suppl 17):546. doi:10.1186/ s12859-020-03897-5	SI	3.242	Q1
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Russo G, Sgroi G, Parasiliti Palumbo GA, Pennisi M, Juarez MA, Cardona PJ, Motta S, Walker KB, Fichera E, Viceconti M, Pappalardo F*.	18.2	Moving forward through the in silico modeling of tuberculosis: a further step with UISS-TB. BMC Bioinformatics. 2020 Dec 14;21(Suppl 17):458. doi:10.1186/s12859-020-03762-5	SI	3.242	Q1
Sorrenti V, Vanella L, Platania CBM, Greish K, Bucolo C, Pittalà V, Salerno L.	57.1	Novel heme oxygenase-1 (HO-1) inducers based on dimethyl fumarate structure. International Journal of Molecular Sciences, 2020 21 (24), art. no. 9541, pp. 1-14. DOI: 10.3390/ijms21249541	Si	4.556	Q1
Sgroi G*, Russo G, Pappalardo F.	66.7	PETAL: a python tool for deep analysis of biological pathways. Bioinformatics. 2020 Dec 16:btaa1032. https://doi.org/10.1093/bioinformatics/btaa1032	NO	5.610	Q1
Ilari S, Dagostino C, Malafiglia V, Lauro F, Giancotti LA, Spila A, Proietti S, Ventrice D, Rizzo M, Gliozzi M, Palma E, Guadagni F, Salvemini D, Mollace V, Muscoli C.	6.7	Protective Effect of Antioxidants in Nitric Oxide/COX-2 Interaction during Inflammatory Pain: The Role of Nitration Antioxidants 2020, 9, 1284; doi:10.3390/antiox9121284	si	4.520	Q1
Linciano P, Sorbi C, Comitato A, Lesniak A, Bujalska-Zadrożny M, Pawłowska A, Bielienica A, Orzelska-Górka J, Kędzierska E, Biała G, Ronsisvalle S, Limoncella S, Casarini L, Cichero E, Fossa P, Satała G, Bojarski AJ, Brasili L, Bardoni R, Franchini S.	5	Identification of a Potent and Selective 5-HT _{1A} Receptor Agonist with <i>In Vitro</i> and <i>In Vivo</i> Antinociceptive Activity. ACS Chem Neurosci. 2020 Dec 16;11(24):4111-4127 doi: 10.1021/acschemneuro.0c00289	NO		Q1

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Torrise SA, Lavanco G, Maurel OM, Gulisano W, Laudani S, Geraci F, Grasso M , Barbagallo C, Caraci F , Bucolo C, Ragusa M, Papaleo F, Campolongo P, Puzzo D, Drago F, Salomone S, Leggio GM.	11.7	A novel arousal-based individual screening reveals susceptibility and resilience to PTSD-like phenotypes in mice. Neurobiol Stress. 2020;14:100286. doi: 10.1016/j.ynstr.2020.100286.	No	7.19	Q1
Currenti W, Godos J, Castellano S, Mogavero MP, Ferri R, Caraci F , Grosso G, Galvano F.	12.5	Time restricted feeding and mental health: a review of possible mechanisms on affective and cognitive disorders. Int J Food Sci Nutr. 2020.1-11. doi: 10.1080/09637486.2020.1866504	No	3.48	Q2