



January-December 2021

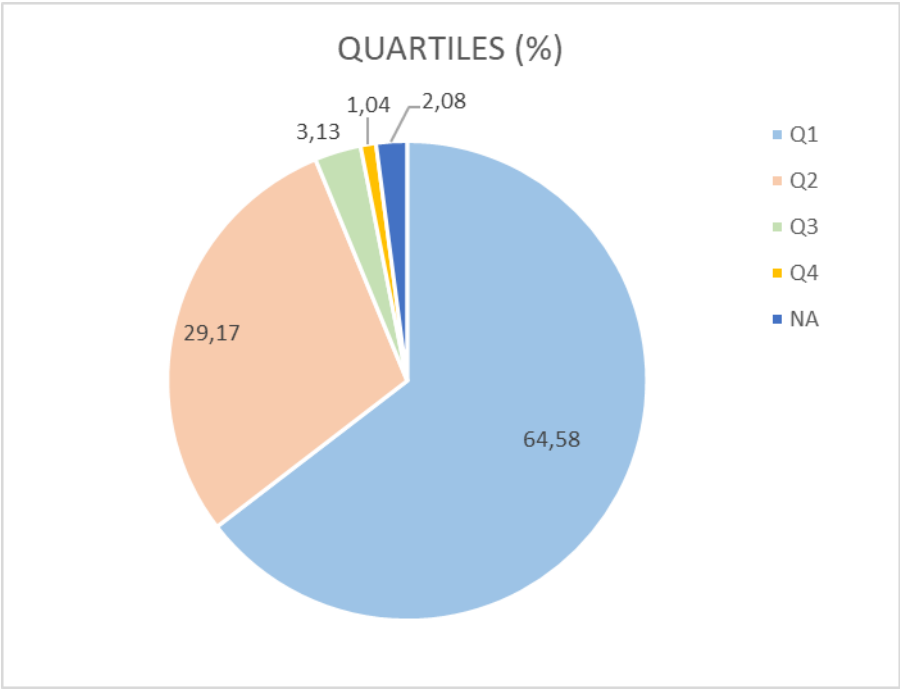
DDS PUBLICATIONS

SUMMARY OF THE DDS 2021 SCIENTIFIC PRODUCTION

Table 1. 2021 scientific production (articles, reviews and editorials) of DDS.

Scientific production	
N. research articles	66
N. reviews	27
N. editorials	1
N. book chapters	2
Quartile	N. articles, reviews and editorials
Q1	62
Q2	28
Q3	3
Q4	1
NA	2
tot Q/NA	94/2
5 year Impact factor	
N. articles, reviews and editorials with a 5 year IF	93
5 year IF (mean)	~6.5
N. Corresponding authors / last name of UniPv DDS	
78	
N. First authors of UniPv DDS	
8	

Figure 1. 2021 scientific production (articles, reviews and editorials) of DDS according to journal quartile.



LIST OF ARTICLES AND REVIEWS

Only papers and reviews on international peer reviewed journals listed in the international databases or found by using the digital object identification (doi) number.

Bibliometry: 5 year IF and journal ranking were derived from the ISI Web of Science database.

*If the journal was not listed by ISI, the 5 year IF was derived from the website of the journal and the ranking from SCImago.** If the 5 year IF was not available, IF (2021) was reported.

N.A.: not available.

The corresponding author is underlined in the text.

Research articles

N.	SSD involved	Reference (alphabetical order according to the first author)	I.F. (5 years) JCR 2021	Q JCR 2021 by JIF
1	CHIM09	Akhtar, M.A., Mariotti, C.E., , Conti, B., <u>Boccaccini, A.R.</u> , Electrophoretic deposition of ferulic acid loaded bioactive glass/chitosan as antibacterial and bioactive composite coatings, Surface and Coatings Technology, 2021,405, 126657; DOI:10.1016/j.surfcoat.2020.126657.	4.421	Q2
2	CHIM08; BIO14	Ambrosio, F.A., Coricello, A., <u>Costa, G.</u> , Lupia, A., Micaelli, M., Marchesi, N., Sala, F., Pascale, A., Rossi, D., Vasile, F., Alcaro, S. and <u>Collina, S.</u> , Identification of Compounds Targeting HuD. Another Brick in the Wall of Neurodegenerative Disease Treatment, Journal of Medicinal Chemistry, 2021, 64, 9989-10000; DOI:10.1021/acs.jmedchem.1c00191.	7.897	Q1
3	BIO14	Aquilani, R., Brugnattelli, S., Maestri, R., <u>Boschi, F.</u> , Filippi, B., Perrone, L., Barbieri, A., Buonocore, D., Dossena, M., Verri, M., Peripheral blood lymphocyte percentage may predict chemotolerance and survival in patients with advanced pancreatic cancer. Association between adaptive immunity and nutritional state, Current Oncology, 2021, 28, 3280-3296; DOI:10.3390/curroncol28050285.	3.263	Q3
4	BIO14	Aquilani, R., Zuccarelli, G.C., Maestri, R., Rutili, C., Colombo, M., Condino, A.M., Barbieri, A., Cecchetti, A., Vanzati, S., Bonazza, E., Lafiandra, F., Buonocore, D., Verri, M., Dossena, M., <u>Boschi, F.</u> , Inflammation, pressure ulcers and poor functional status predict negative rehabilitation outcomes in postacute geriatric patients, 2021, Aging Clinical and Experimental Research, 2021, 33, 463-467; DOI: 10.1007/s40520-020-01526-y.	4.075	Q2
5	CHIM08	Auriemma, R., <u>Sponchioni, M.</u> , Capasso Palmiero, U., Rossino, G., Rossetti, A., Marsala, A., Collina, S., Sacchetti, A., Moscatelli, D., <u>Peviani, M.</u> , Synthesis and characterization of a “clickable” pbr28 tspo-selective ligand derivative suitable for the functionalization of biodegradable polymer nanoparticles, Nanomaterials, 2021,11, 1693; DOI:10.3390/nano11071693.	5.810	Q1
6	CHIM09	Ballacchino, G., Weaver, E., Mathew, E., Dorati, R., Genta, I., <u>Conti, B.</u> , <u>Lamprou, D.A.</u> , Manufacturing of 3d-printed microfluidic devices for the synthesis of drug-loaded liposomal formulations, International Journal of Molecular Sciences, 2021, 22, 8064; DOI:10.3390/ijms22158064.	6.628	Q1
7	CHIM09	Bari, E., Tartara, F., Cofano, F., Di Perna, G., Garbossa, D., Perteghella, S., Sorlini, M., Mandracchia, D., Giovannelli, L., Gaetani, P., <u>Torre, M.L.</u> , Segale, L., Freeze-dried secretome (Lyosecretome) from mesenchymal stem/stromal cells promotes the osteoinductive and osteoconductive properties of titanium cages, International Journal of Molecular Sciences, 2021, 22, 8445; DOI:10.3390/ijms22168445.	6.628	Q1
8	CHIM09	Bari, E., Ferrarotti, I., Saracino, L., Perteghella, S., <u>Torre, M.L.</u> , Richeldi, L., Corsico, A.G., Mesenchymal stromal cell secretome for post-covid-19 pulmonary fibrosis: A new therapy to treat the long-term lung sequelae?, Cells, 2021,10, 1203; DOI:10.3390/cells10051203.	7.677	Q2

9	CHIM09	Bari, E., Roato, I., Perale, G., Rossi, F., Genova, T., Mussano, F., Ferracini, R., Sorlini, M., <u>Torre, M.L.</u> , Perteghella, S., Biohybrid bovine bone matrix for controlled release of mesenchymal stem/stromal cell lyosecretome: A device for bone regeneration, International Journal of Molecular Sciences, 2021, 22, 4064; DOI:10.3390/ijms22084064.	6.628	Q1
10	CHIM09	Bari, E., Serra, M., Paolillo, M., Bernardi, E., Tengattini, S., Piccinini, F., Lanni, C., Sorlini, M., Bisbano, G., Calleri, E., <u>Torre, M.L.</u> , Perteghella, S., Silk fibroin nanoparticle functionalization with arg-gly-asp cyclopentapeptide promotes active targeting for tumor site-specific delivery, Cancers, 2021,13,1-16; DOI:10.3390/cancers13051185.	6.886	Q1
11	CHIM09	Bari, E., Cascino, F.C.Foglio, L. and Proietti, L. and <u>Perteghella, S.</u> and Torre, M.L. and Parati, K.,Alternative culture media and cold-drying for obtaining high biological value Arthrospira platensis (Cyanobacteria), Phycologia, 2021,60,3,237-246; DOI:10.1080/00318884.2021.1899545.	2.594	Q1
12	CHIM09	Bari, E., Scocozza, F., Perteghella, S., Sorlini, M., Auricchio, F., <u>Torre, M.L.</u> , Conti, M., 3D bioprinted scaffolds containing mesenchymal stem/stromal lyosecretome: Next generation controlled release device for bone regenerative medicine, Pharmaceutics,2021,13, 515; DOI:10.3390/pharmaceutics13040515.	7.227	Q1
13	CHIM08 CHIM09 CHIM11	<u>Bavaro, T.</u> , Tengattini, S., Rezwan, R., Chiesa, E., Temporini, C., Dorati, R., Massolini, G., Conti, B., Ubiali, D., Terreni, M., Design of epidermal growth factor immobilization on 3D biocompatible scaffolds to promote tissue repair and regeneration, Scientific Reports, 2021,11, 2629; DOI:10.1038/s41598-021-81905-1.	5.516	Q2
14	BIO14	<u>Bilia, A.R.</u> , Corazziari, E.S., Govoni, S., Mugelli, A., Racchi, M., Medical Devices Made of Substances: Possible Innovation and Opportunities for Complex Natural Products, Planta Medica, 2021, 87, 1110-1116; DOI:10.1055/a-1511-8558.	3.493	Q2
15	CHIM09	Bonetti, M., Bracchi, M., Musitelli, G., <u>Perugini, P.</u> , Production and characterization of bovine hoof membranes as standardized in vitro model for nail studies, International Journal of Pharmaceutics, 2021, 600, 120409; DOI:10.1016/j.ijpharm.2021.120409.	6.274	Q1
16	CHIM09	<u>Bruni, G.</u> , Maggi, L., Monteforte, F., Ferrara, C., Capsoni, D., Berbenni, V., Milanese, C., Girella, A., Friuli, V. Mustarelli, P., Marini, A., Zaltopfen/4,4'-Bipyridine: A Case Study to Demonstrate the Potential of Differential Scanning Calorimetry (DSC) in the Pharmaceutical Field, Journal of Pharmaceutical Sciences, 2021, 110, 3690-3701; DOI:10.1016/j.xphs.2021.08.009.	4.063	Q2
17	CHIM09	<u>Bruni, G.</u> , Monteforte, F., Maggi, L., Girella, A., Berbenni, V., Milanese, C., Marini, A., Probenecid and benzamide: DSC applied to the study of an "impossible" pharmaceutical system, Journal of Thermal Analysis and Calorimetry, 2021,145, 391-402; DOI:10.1007/s10973-020-09749-x.	3.641	Q1
18	BIO14	Bucolo, C., Barbieri, A., Viganò, I., Marchesi, N., Bandello, F., Drago, F., Govoni, S., <u>Zerbini, G.</u> , Pascale, A., Short-and Long-Term Expression of Vegf: A Temporal Regulation of a Key Factor in Diabetic Retinopathy, Frontiers in Pharmacology, 2021, 12, 707909; DOI:10.3389/fphar.2021.707909.	6.455	Q1
19	CHIM09	Budai-szűcs, M., Ruggeri, M., Faccendini, A., Léber, A., Rossi, S., Varga, G., Bonferoni, M.C., Vályi, P., Burián, K., Csányi, E., <u>Sandri, G.</u> ,Ferrari, F., Electrospun scaffolds in periodontal wound healing, Polymers, 2021, 13, 1-16; DOI:10.3390/polym13020307.	5.063	Q1

20	CHIM08	Cavalloro, V., Marrubini, G., Stabile, R., Rossi, D., <u>Linciano, P.</u> , Gheza, G., Assini, S., <u>Martino, E.</u> , Collina, S., Microwave-assisted extraction and HPLC-UV-CD determination of (S)-usnic acid in cladonia foliacea, <i>Molecules</i> , 2021, 26, 455; DOI:10.3390/molecules26020455.	5.110	Q2
21	CHIM09	<u>Chiesa, E.</u> , Greco, A., Riva, F., Dorati, R., Conti, B., Modena, T., <u>Genta, I.</u> , Hyaluronic acid-based nanoparticles for protein delivery: Systematic examination of microfluidic production conditions, <i>Pharmaceutics</i> , 2021,13, 1565; DOI:10.3390/pharmaceutics13101565.	7.227	Q1
22	CHIM09	Chiesa, E., Greco, A., Dorati, R., Conti, B., Bruni, G., Lamprou, D., <u>Genta, I.</u> , Microfluidic-assisted synthesis of multifunctional iodinated contrast agent polymeric nanoplatfoms, <i>International Journal of Pharmaceutics</i> , 2021, 599; 120447; DOI:10.1016/j.ijpharm.2021.120447.	6.274	Q1
23	BIO14	<u>Robustelli della Cuna, F.S.</u> , Giovannini, A., Braglia, L., Sottani, C., Grignani, E., Preda, S., Chemical Composition of the Essential Oils From Leaves and Flowers of Passiflora sexocellata and Passiflora trifasciata, <i>Natural Product Communications</i> , 2021,16; DOI:10.1177/1934578X211007691.	1.352	Q4
24	CHIM08; BIO14	Della Volpe, S., Linciano, P., Listro, R., Tumminelli, E., Amadio, M., Bonomo, I., Elgaher, W.A.M., Adam, S. and <u>Hirsch, A.K.H.</u> and Boeckler, F.M., <u>Vasile, F.</u> , Rossi, D., Collina, S., Identification of N,N-arylalkyl-picolinamide derivatives targeting the RNA-binding protein HuR, by combining biophysical fragment-screening and molecular hybridization, <i>Bioorganic Chemistry</i> , 2021,116; 105305; DOI:10.1016/j.bioorg.2021.105305.	5.321	Q1
25	CHIM09	<u>Dorati, R.</u> , Chiesa, E., Rosalia, M., Pisani, S., Genta, I., Bruni, G., Modena, T., Conti, B., Tubular electrospun vancomycin-loaded vascular grafts: Formulation study and physicochemical characterization, <i>Polymers</i> , 2021,13, 2073; DOI:10.3390/polym13132073.	5.063	Q1
26	CHIM09	<u>Dorati, R.</u> , Pisani, S., Chiesa, E., Genta, I., Bruni, G., Modena, T., Conti, B., Electrospun tubular vascular grafts to replace damaged peripheral arteries: A preliminary formulation study, <i>International Journal of Pharmaceutics</i> , 2021, 596, 120198; DOI:10.1016/j.ijpharm.2021.120198.	6.274	Q1
27	CHIM09	Faccendini, A., Bianchi, E., Ruggeri, M., Vigani, B., Perotti, C., Claudio Pavesi, F., Calio, L. , Natali, F. Del Favero, E., Cantu', L., Ferrari, F., Rossi, S., <u>Sandri, G.</u> , Smart device for biologically enhanced functional regeneration of osteo-tendon interface, <i>Pharmaceutics</i> , 2021, 13, 1996; DOI:10.3390/pharmaceutics13121996.	7.227	Q1
28	CHIM08; CHIM10	Ferron, L., Milanese, C., Colombo, R., <u>Papetti, A.</u> , Development of an accelerated stability model to estimate purple corn cob extract powder (Moradyn) shelf-life, <i>Foods</i> , 2021, 10, 1617; DOI:10.3390/foods10071617.	5.940	Q1
29	MED07	<u>Grisoli, P.</u> , De Vita, L., Milanese, C., Taglietti, A., Fernandez, Y.D., Bouzin, M., D'alfonso, L., Sironi, L., Rossi, S., Vigani, B., Sperandio, P., Polissi, A., <u>Pallavicini, P.</u> , Pva films with mixed silver nanoparticles and gold nanostars for intrinsic and photothermal antibacterial action, <i>Nanomaterials</i> , 2021,11, 1387; DOI:10.3390/nano11061387.	5.810	Q1
30	CHIM08	<u>Groves, K.</u> , Ashcroft, A.E., Cryar, A., Sula, A., Wallace, B.A., Stocks, B.B., Burns, C., Cooper-Shepherd, D., De Lorenzi, E., Rodriguez, E., Zhang, H., Ault, J.R., Ferguson, J., Phillips, J.J., Pacholarz, K., Thalassinou, K., Luckau, L., Ashton, L., Durrant, O., Barran, P., Dalby, P., Vicedo, P., Colombo, R., Davis, R., Parakra, R., Upton, R., Hill, S., Wood, V., Soloviev, Z., <u>Quaglia, M.</u> , Reference Protocol to Assess Analytical Performance of	7.528	Q1

		Higher Order Structural Analysis Measurements: Results from an Interlaboratory Comparison, Analytical Chemistry, 2021, 93, 9041-9048; DOI:10.1021/acs.analchem.0c04625.		
31	CHIM09; MED07	Guerini, M., Grisoli, P., Pane, C., <u>Perugini, P.</u> , Microstructured lipid carriers (MLC) based on N-acetylcysteine and chitosan preventing Pseudomonas Aeruginosa biofilm, International Journal of Molecular Sciences, 2021, 22,1-22; DOI:10.3390/ijms22020891.	6.628	Q1
32	CHIM10; CHIM08	Haddaji, F., Papetti, A., Noumi, E., Colombo, R., Deshpande, S., Aouadi, K., Adnan, M., Kadri, A., Selmi, B., <u>Snoussi, M.</u> , Bioactivities and in silico study of Pergularia tomentosa L. phytochemicals as potent antimicrobial agents targeting type IIA topoisomerase, TyrRS, and Sap1 virulence proteins, Environmental Science and Pollution Research, 2021, 28, 25349-25367; DOI:10.1007/s11356-020-11946-y.	5.053	Q2
33	CHIM09	<u>Lenzuni, M.</u> , Suarato, G. Miele, D. Carzino, R. Ruggeri, M. Bertorelli, R. Sandri, G. <u>Athanassiou, A.</u> , Development of biodegradable zein-based bilayer coatings for drug-eluting stents, RSC Advances, 2021,11, 24345-24358; DOI:10.1039/d1ra03748j.	3.748	Q2
34	CHIM08	Linciano, P., Pinzi, L., Belluti, S., Chianese, U., Benedetti, R., Moi, D., Altucci, L., Franchini, S., Imbriano, C., <u>Sorbi, C.</u> , <u>Rastelli, G.</u> , Inhibitors of histone deacetylase 6 based on a novel 3-hydroxy-isoxazole zinc binding group, Journal of Enzyme Inhibition and Medicinal Chemistry,2021, 36, 2080-2086; DOI:10.1080/14756366.2021.1981306.	4.983	Q1
35	CHIM08	Malacrida, A., Cavalloro, V. <u>Martino, E.</u> Costa, G., Ambrosio, F.A. Alcaro, S. Rigolio, R. Casseti, A. <u>Miloso, M.</u> , Collina, S., Anti-multiple myeloma potential of secondary metabolites from hibiscus sabdariffa-part 2, Molecules, 2021, 26, 6596; DOI:10.3390/molecules26216596.	5.110	Q2
36	CHIM-09	Massaro, M., Borrego-Sánchez, A., Sánchez-Espejo, R., <u>Viseras Iborra, C.</u> , Cavallaro, G., García-Villén, F., Guernelli, S., Lazzara, G., Miele, D., Sainz-Díaz, C.I., Sandri, G., <u>Riela, S.</u> , Ciprofloxacin carrier systems based on hectorite/halloysite hybrid hydrogels for potential wound healing applications, Applied Clay Science, 2021, 215, 106310; DOI:10.1016/j.clay.2021.106310.	5.881	Q1
37	CHIM-09	Miele, D., Xia, X., Catenacci, L., Sorrenti, M., <u>Rossi, S.</u> , Sandri, G., Ferrari, F., Rossi, J.J., <u>Bonferoni, M.C.</u> , Chitosan oleate coated PLGA nanoparticles as siRNA drug delivery system, Pharmaceutics, 2021, 13, 1716; DOI:10.3390/pharmaceutics13101716.	7.227	Q1
38	CHIM-09	Milanesi, G., Vigani, B., Rossi, S., Sandri, G., <u>Mele, E.</u> , Chitosan-coated poly(Lactic acid) nanofibres loaded with essential oils for wound healing, Polymers, 2021,13, 2582; DOI:10.3390/polym13162582.	5.063	Q1
39	CHIM-09	Mocchi, M., Bari, E., Dotti, S., Villa, R., Berni, P., Conti, V., Del Bue, M., Squassino, G.P., Segale, L., Ramoni, R., <u>Torre, M.L.</u> , Perteghella, S., Grolli, S., Canine mesenchymal cell lyosecretome production and safety evaluation after allogenic intraarticular injection in osteoarthritic dogs, Animals, 2021, 11, 3271; DOI:10.3390/ani11113271.	3.312	Q1
40	CHIM/09	Mocchi, M., Bari, E., Marrubini, G., Bonda, A.F., Perteghella, S., Tartara, F., Cofano, F., Di Perna, G., Giovannelli, L., Mandracchia, D., Sorlini, M., Garbossa, D., <u>Torre, M.L.</u> , Segale, L., Freeze-Dried Mesenchymal stem cell-secretome pharmaceuticalization:	7.227	Q1

		Optimization of formulation and manufacturing process Robustness, <i>Pharmaceutics</i> , 2021, 13, 1129; DOI:10.3390/pharmaceutics13081129.		
41	CHIM-09	Mocchi, M., Grolli, S., Dotti, S., Di Silvestre, D., Villa, R., Berni, P., Conti, V., Passignani, G., Brambilla, F., Del Bue, M., Catenacci, L., Sorrenti, M., Segale, L., Bari, E., Mauri, P., <u>Torre, M.L.</u> , Perteghella, S., Equine mesenchymal stem/stromal cells freeze-dried secretome (Lyosecretome) for the treatment of musculoskeletal diseases: Production process validation and batch release test for clinical use, <i>Pharmaceutics</i> , 2021, 14, 553; DOI:10.3390/ph14060553.	5.711	Q1
42	CHIM-08	<u>Mokhtar, M.</u> , Bouamar, S., Di Lorenzo, A., Temporini, C. and Daglia, M., Riazi, A., The influence of ripeness on the phenolic content, antioxidant and antimicrobial activities of pumpkins (<i>Cucurbita moschata duchesne</i>), <i>Molecules</i> , 2021, 26, 3623; DOI:10.3390/molecules26123623.	5.110	Q2
43	CHIM-08	Naldi, M., Brusotti, G., Massolini, G., Andrisano, V., Temporini, C., <u>Bartolini, M.</u> , Bio-guided fractionation of stem bark extracts from <i>phyllanthus muellarianus</i> : Identification of phytocomponents with anti-cholinesterase activity, <i>Molecules</i> , 2021, 26, 4376; DOI:10.3390/molecules26144376.	5.110	Q2
44	CHIM-08	Pellavio, G., Rossino, G., Gastaldi, G., Rossi, D., Linciano, P., Collina, S., <u>Laforenza, U.</u> , Sigma-1 receptor agonists acting on aquaporin-mediated h ₂ O ₂ permeability: New tools for counteracting oxidative stress, <i>International Journal of Molecular Sciences</i> , 2021, 22, 9790; DOI:10.3390/ijms22189790.	6.628	Q1
45	CHIM-09	Perteghella, S., <u>Rassu, G.</u> , Gavini, E., Obinu, A., Bari, E., Mandracchia, D., Bonferoni, M.C., Giunchedi, P., Torre, M.L., Crocetin as new cross-linker for bioactive sericin nanoparticles, <i>Pharmaceutics</i> , 2021, 13, 680; DOI:10.3390/pharmaceutics13050680.	7.227	Q1
46	CHIM-09	Pisani, S., <u>Friuli, V.</u> , Conti, B., Bruni, G., Maggi, L., Tableted hydrophilic electrospun nanofibers to promote meloxicam dissolution rate, <i>Journal of Drug Delivery Science and Technology</i> , 2021, 66, 102878; DOI:10.1016/j.jddst.2021.102878.	4.624	Q2
47	CHIM-09	<u>Pisani, S.</u> , Dorati, R., Genta, I., Benazzo, M., <u>Conti, B.</u> , Prina Mello, A., A study focused on macrophages modulation induced by the Polymeric Electrospun Matrices (EL-Ms) for application in tissue regeneration: In vitro proof of concept, <i>International Journal of Pharmaceutics</i> , 2021, 603, 120712; DOI:10.1016/j.ijpharm.2021.120712.	6.274	Q1
48	CHIM-08 CHIM-11	Rabuffetti, M., Rinaldi, F., Lo Bianco, A., Speranza, G., Ubiali, D., de Moraes, M.C., Rodrigues Pereira da Silva, L.C., Massolini, G., <u>Calleri, E.</u> , <u>Lavecchia, A.</u> , Discovery of a Novel Inhibitor of Human Purine Nucleoside Phosphorylase by a Simple Hydrophilic Interaction Liquid Chromatography Enzymatic Assay, <i>ChemMedChem</i> , 2021, 16, 325-1334; DOI:10.1002/cmdc.202000874.	3.753	Q3
49	CHIM-09	Rassu, G., Pavan, B., Mandracchia, D., Tripodo, G., Botti, G., <u>Dalpia, A.</u> , <u>Gavini, E.</u> , Giunchedi, P., Polymeric nanomicelles based on inulin D α -tocopherol succinate for the treatment of diabetic retinopathy, <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102286; DOI:10.1016/j.jddst.2020.102286.	4.624	Q2
50	CHIM-08;	Rinaldi, F., Tengattini, S., Brusotti, G., Tripodo, G., Peters, B., Temporini, C., Massolini, G., <u>Calleri, E.</u> , Monolithic Papain-Immobilized Enzyme Reactors for Automated Structural	6.122	Q1

	CHIM-09	Characterization of Monoclonal Antibodies, Frontiers in Molecular Biosciences, 2021, 8, 765683; DOI:10.3389/fmolb.2021.765683.		
51	BIO-14	<u>Robustelli della Cuna, F.S., Calevo, J., Bazzicalupo, M., Sottani, C., Grignani, E., Preda, S., Chemical composition of essential oil from flowers of five fragrant dendrobium (Orchidaceae), Plants (Basel), 2021, 10, 1718; DOI:10.3390/plants10081718.</u>	4.827	Q1
52	CHIM-01	Romani, L., Speltini, A., Dibenedetto, C.N., Listorti, A., <u>Ambrosio, E., Mosconi, E., Simbula, A., Saba, M., Profumo, A., Quadrelli, P., De Angelis, F., Malavasi, L., Experimental Strategy and Mechanistic View to Boost the Photocatalytic Activity of Cs3Bi2Br9 Lead-Free Perovskite Derivative by g-C3N4 Composite Engineering, Advanced Functional Materials, 2021, 31, 2104428; DOI:10.1002/adfm.202104428.</u>	19.978	Q1
53	CHIM-01	Romani, L., Speltini, A., <u>Ambrosio, F., Mosconi, E., Profumo, A., Marelli, M., Margadonna, S., Milella, A., Fracassi, F., Listorti, A., De Angelis, F., Malavasi, L., Water-Stable DMASnBr3 Lead-Free Perovskite for Effective Solar-Driven Photocatalysis, Angewandte Chemie - International Edition, 2021, 60, 3611-3618; DOI:10.1002/anie.202007584.</u>	15.311	Q1
54	CHIM-09; MED-07	Rosalia, M., Ravipati, P., <u>Grisoli, P., Dorati, R., Genta, I., Chiesa, E., Bruni, G., Conti, B., Tobramycin supplemented small-diameter vascular grafts for local antibiotic delivery: A preliminary formulation study, International Journal of Molecular Sciences, 2021, 22, 13557; DOI:10.3390/ijms222413557.</u>	6.628	Q1
55	CHIM-08	Rossino, G., Rui, M., Linciano, P., Rossi, D., Boiocchi, M., Peviani, M., Poggio, E., Curti, D., Schepmann, D., Wünsch, B., González-Avendaño, M., Vergara-Jaque, A., <u>Caballero, J., Collina, S., Bitopic Sigma 1 Receptor Modulators to Shed Light on Molecular Mechanisms Underpinning Ligand Binding and Receptor Oligomerization, Journal of Medicinal Chemistry, 2021, 64, 14997-15016; DOI:10.1021/acs.jmedchem.1c00886.</u>	7.897	Q1
56	BIO-14	Rossino, M.G., Amato, R., Amadio, M., Rosini, M., Basagni, F., Cammalleri, M., <u>Dal Monte, M., Casini, G., A nature-inspired nrf2 activator protects retinal explants from oxidative stress and neurodegeneration, Antioxidants, 2021, 10, 1296; DOI:10.3390/antiox10081296.</u>	7.886	Q1
57	CHIM-09	Ruggeri, M., Pavan, M., Soato, M., Panfilò, S., Barbera, C., Galesso, D., Miele, D., Rossi, S., <u>Lucia, A.D., Ferrari, F., Sandri, G., Synergy of hydeal-d® and hyaluronic acid for protecting and restoring urothelium: In vitro characterization, Pharmaceutics, 2021, 13, 1450; DOI:10.3390/pharmaceutics13091450.</u>	7.227	Q1
58	CHIM-09	Scocozza, F., Sakaj, M., Auricchio, F., Marconi, S., Riello, P., Ferrari, C., Cansolino, L., Catenacci, L., Sorrenti, M., Scatto, M., <u>Conti, M., Shape fidelity and sterility assessment of 3D printed polycaprolactone and hydroxyapatite scaffolds, 2021, Journal of Polymer Research, 28, 327; DOI: 10.1007/s10965-021-02675-y</u>	2.670	Q2
59	CHIM-09	<u>Sommi, P., Vitali, A., Coniglio, S., Callegari, D., Barbieri, S., Casu, A., Falqui, A., Vigano', L., Vigani, B., Ferrari, F., Anselmi-Tamburini, U., Microvilli Adhesion: An Alternative Route for Nanoparticle Cell Internalization, ACS Nano, 2021, 15, 15803-15814; DOI:10.1021/acsnano.1c03151.</u>	18.022	Q1
60	CHIM-01	<u>Speltini, A., Merlo, F., Maraschi, F., Marrubini, G., Faravelli, A., Profumo, A., Magnetic micro-solid-phase extraction using a novel carbon-based composite coupled with HPLC-MS/MS for steroid</u>	5.110	Q2

		multiclass determination in human plasma, <i>Molecules</i> , 2021, 26, 2061; DOI:10.3390/molecules26072061.		
61	CHIM-01	<u>Speltini, A.</u> , Merlo, F., Maraschi, F., Villani, L., <u>Profumo, A.</u> , HA-C@silica sorbent for simultaneous extraction and clean-up of steroids in human plasma followed by HPLC-MS/MS multiclass determination, <i>Talanta</i> , 2021, 221, 121496; DOI:10.1016/j.talanta.2020.121496.	5.770	Q1
62	CHIM-09	Stigliano, P.L., Pianta, N., Bonizzoni, S., Mauri, M., Simonutti, R., Lorenzi, R., Vigani, B., Berbenni, V., Rossi, S., Mustarelli, P., <u>Ruffo, R.</u> , A physico-chemical investigation of highly concentrated potassium acetate solutions towards applications in electrochemistry, <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1139-1145; DOI:10.1039/d0cp04151c.	3.861	Q1
63	MED-07	Toci, G., Olgati, F., Pallavicini, P., Fernandez, Y.A.D., De Vita, L., Dacarro, G., Grisoli, P., <u>Taglietti, A.</u> , Gold nanostars embedded in PDMS films: A photothermal material for antibacterial applications, <i>Nanomaterials</i> , 2021, 11, 3252; DOI:10.3390/nano11123252.	5.810	Q1
64	CHIM-09	Varrica, C., Carvalheiro, M., Faria-Silva, C., Eleutério, C., Sandri, G., <u>Simões, S.</u> , Topical allopurinol-loaded nanostructured lipid carriers: A novel approach for wound healing management, <i>Bioengineering (Basel)</i> , 2021, 8, 192; DOI:10.3390/bioengineering8120192.	5.046**	N.A
65	CHIM-09; CHIM-08 BIO-14	Vigani, B., Valentino, C., Sandri, G., Listro, R., Fagiani, F., Collina, S., Lanni, C., Bonferoni, M.C., Caramella, C.M., <u>Rossi, S.</u> , Ferrari, F., A composite nanosystem as a potential tool for the local treatment of glioblastoma: Chitosan-coated solid lipid nanoparticles embedded in electrospun nanofibers, <i>Polymers</i> , 2021, 13, 1371; DOI:10.3390/polym13091371.	5.063	Q1
66	CHIM-09; CHIM-08	Vigani, B., Valentino, C., Cavalloro, V., Catenacci, L., Sorrenti, M., Sandri, G., Bonferoni, M.C., Bozzi, C., Collina, S., <u>Rossi, S.</u> , Ferrari, F., Gellan-based composite system as a potential tool for the treatment of nervous tissue injuries: Cross-linked electrospun nanofibers embedded in a RC-33-loaded freeze-dried matrix, <i>Pharmaceutics</i> , 2021, 13, 164; DOI:10.3390/pharmaceutics13020164.	7.227	Q1

Reviews

N.	SSD involved	Reference (alphabetical order according to the first author)	I.F. (5 years) JCR 2021	Q JCR 2021 by JIF
1	CHIM-06	Bernardi, E., Colombo, L., <u>Serra, M.</u> , Recent Advances in One-Pot Enyne Metathesis Processes for the Preparation of Biologically and Medicinally Relevant Compounds, Synthesis Stuttgart, 2021, 53, 785-804; DOI:10.1055/s-0040-1705965.	2.690	Q2
2	CHIM-09	<u>Bonferoni, M.C.</u> , Caramella, C., Catenacci, L., <u>Conti, B.</u> , Dorati, R., <u>Ferrari, F.</u> , Genta, I., Modena, T., Perteghella, S., Rossi, S., Sandri, G., Sorrenti, M., Torre, M.L., Tripodo, G., Biomaterials for soft tissue repair and regeneration: A focus on italian research in the field, Pharmaceutics, 2021,13, 1341; DOI:10.3390/pharmaceutics13091341	7.227	Q1
3	CHIM-09	Bianchi, E., Ruggeri, M., Rossi, S., Vigani, B., Miele, D., Bonferoni, M.C., <u>Sandri, G.</u> , Ferrari, F., Innovative strategies in tendon tissue engineering, Pharmaceutics, 2021,13, 1-24; DOI:10.3390/pharmaceutics13010089.	7.227	Q1
4	CHIM-09	Bonferoni, M.C., Rassu, G., Gavini, E., Sorrenti, M., Catenacci, L., Torre, M.L., Perteghella, S., Ansaloni, L., Maestri, M., <u>Giunchedi, P.</u> , Electrochemotherapy of deep-seated tumors: State of art and perspectives as possible “epr effect enhancer” to improve cancer nanomedicine efficacy, Cancers, 2021,13, 4437; DOI:10.3390/cancers13174437.	6.886	Q1
5	CHIM-08	Calleri, E., Temporini, C., Colombo, R., Tengattini, S., Rinaldi, F., Brusotti, G., Furlanetto, S., <u>Massolini, G.</u> , Analytical settings for in-flow biocatalytic reaction monitoring, TrAC-Trends in Analytical Chemistry, 2021, 143, 116348; DOI:10.1016/j.trac.2021.116348.	13.405	Q1
6	CHIM-08	Castelli, M., Serapian, S.A., Marchetti, F., Triveri, A., Pirota, V., Torielli, L., Collina, S., Doria, F., Freccero, M., <u>Colombo, G.</u> , New perspectives in cancer drug development: computational advances with an eye to design, RSC Medicinal Chemistry, 2021,12,1491-1502; DOI:10.1039/d1md00192b.	3.470**	Q3
7	BIO-14;	<u>Colombo, G.</u> , Gelardi, E.L.M., Balestrero, F.C., Moro, M., Travelli, C., Genazzani, A.A., Insight Into Nicotinamide Adenine Dinucleotide Homeostasis as a Targetable Metabolic Pathway in Colorectal Cancer, Frontiers in Pharmacology, 2021,12, 758320; DOI:10.3389/fphar.2021.758320.	6.455	Q1
8	CHIM-08; CHIM-10	Colombo, R., Ferron, L., Frosi, I., <u>Papetti, A.</u> , Advances in static: In vitro digestion models after the COST action Infogest consensus protocol, Food and Function, 2021, 12, 7619-7636; DOI:10.1039/d1fo01089a.	6.375	Q1
9	CHIM-08; CHIM-10	Colombo, R., Ferron, L., <u>Papetti, A.</u> , Colored Corn: An Up-Date on Metabolites Extraction, Health Implication, and Potential Use, Molecules ,2021,26, 199; DOI:10.3390/molecules26010199.	5.110	Q2
10	CHIM-08; CHIM-10	Colombo, R., <u>Papetti, A.</u> , Decaffeinated coffee and its benefits on health: focus on systemic disorders, Critical Reviews in Food Science and Nutrition, 2021, 61, 2506-2522; DOI:10.1080/10408398.2020.1779175.	12.104	Q1
11	CHIM-09; CHIM-01	<u>Dugheri, S.</u> , Massi, D., Mucci, N., Marrubini, G., Cappelli, G., Speltini, A., Bonferoni, M.C., Arcangeli, G., Exposure to airborne formaldehyde: Sampling and analytical methods—A review, Trends	12.133	Q1

		in Environmental Analytical Chemistry, 2021, 29 e00116; DOI:10.1016/j.teac.2021.e00116.		
12	CHIM-09	<u>Dugheri, S.</u> , Massi, D., Mucci, N., Marrubini, G., Cappelli, G., Trevisani, L., Bonferoni, M.C., Arcangeli, G., An Upgrade of Apparatus and Measurement Systems for Generation of Gaseous Formaldehyde: A Review, Critical Reviews in Analytical Chemistry, 2021, 52, 1702-1716; DOI:10.1080/10408347.2021.1913090.	6.279	Q1
13	BIO-14	Fagiani, F., Vlachou, M., Di Marino, D., Canobbio, I., Romagnoli, A., Racchi, M., <u>Govoni, S.</u> , Lanni, C., Pin1 as molecular switch in vascular endothelium: Notes on its putative role in age-associated vascular diseases, Cells, 2021,10, 3287; DOI:10.3390/cells10123287.	7.677	Q2
14	BIO-14	Fagiani, F., Govoni, S., Racchi, M., <u>Lanni, C.</u> , The Peptidyl-prolyl Isomerase Pin1 in Neuronal Signaling: from Neurodevelopment to Neurodegeneration, Molecular Neurobiology, 2021, 58, 1062-1073; DOI:10.1007/s12035-020-02179-8.	5.576	Q1
15	BIO-14	Fagiani, F., <u>Lanni, C.</u> , Racchi, M., Govoni, S., (Dys)regulation of Synaptic Activity and Neurotransmitter Release by β -Amyloid: A Look Beyond Alzheimer's Disease Pathogenesis, Frontiers in Molecular Neuroscience, 2021, 14, 635880; DOI:10.3389/fnmol.2021.635880.	6.187	Q1
16	CHIM-08; CHIM-10	Frosi, I., Montagna, I., Colombo, R., Milanese, C., <u>Papetti, A.</u> , Recovery of chlorogenic acids from agri-food wastes: Updates on green extraction techniques, Molecules, 2021, 26,4515; DOI:10.3390/molecules26154515.	5.110	Q2
17	CHIM-09	Greco, A., Garoffolo, G., Chiesa, E., Riva, F., Dorati, R., Modena, T., Conti, B., Pesce, M., <u>Genta, I.</u> , Nanotechnology, a booster for the multitarget drug verteporfin, Journal of Drug Delivery Science and Technology, 2021, 64, 102562; DOI:10.1016/j.jddst.2021.102562.	4.624	Q2
18	BIO-14	<u>Klionsky, D.J.</u> , Abdel-Aziz, A.K. Amadio, M.Li, Z., Lin, Y., Oshima, S., Rong, Y., Sluimer, J.C., Stallings, C.L., Tong, C.-K., Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition)1, Autophagy, 2021, 17, 1-382; DOI:10.1080/15548627.2020.1797280.	16.142	Q1
19	BIO-14	Lanni, C., Masi, M., Racchi, M., <u>Govoni, S.</u> , Cancer and Alzheimer's disease inverse relationship: an age-associated diverging derailment of shared pathways, Molecular Psychiatry, 2021, 26, 280-295; DOI:10.1038/s41380-020-0760-2.	14.153	Q1
20	BIO-14	Marchesi, N., Fahmideh, F., Boschi, F., Pascale, A., <u>Barbieri, A.</u> , Ocular neurodegenerative diseases: Interconnection between retina and cortical areas, Cells, 2021, 10, 2394; DOI:10.3390/cells10092394.	7.677	Q2
21	BIO-14	<u>Paolillo, M.</u> , Comincini, S., Schinelli, S., Fostering "education": Do extracellular vesicles exploit their own delivery code?, Cells, 2021, 10, 1741; DOI:10.3390/cells10071741.	7.677	Q2
22	BIO-14	<u>Paolillo, M.</u> , Comincini, S., Schinelli, S., In vitro glioblastoma models: A journey into the third dimension, Cancers, 2021, 13, 2449; DOI:10.3390/cancers13102449.	6.886	Q1
23	CHIM-09	Rassu, G., Sorrenti, M., Catenacci, L., Pavan, B., Ferraro, L., Gavini, E., Bonferoni, M.C., <u>Giunchedi, P.</u> , Dalpiaz, A., Versatile nasal application of cyclodextrins: Excipients and/or actives?, Pharmaceutics, 2021, 13, 1180; DOI:10.3390/pharmaceutics13081180.	7.227	Q1
24	CHIM-09	<u>Ravipati, P.</u> , Conti, B., Chiesa, E., Andrieux, K., Dermatillomania: Strategies for developing protective biomaterials/cloth, Pharmaceutics, 2021,13, 341; DOI:10.3390/pharmaceutics13030341.	7.227	Q1
25	CHIM-08; CHIM-11	Semproli, R., Robescu, M.S., Cambò, M., Mema, K., Bavaro, T., Rabuffetti, M., <u>Ubiali, D.</u> , <u>Speranza, G.</u> , Chemical and Enzymatic Approaches to Esters of sn-Glycero-3-Phosphoric Acid, European	2.916	Q2

		Journal of Organic Chemistry, 2021, 29 ,4027-4037; DOI:10.1002/ejoc.202100235.		
26	CHIM-08	Sferrazza, G., Brusotti, G., Zonfrillo, M., Temporini, C., Tengattini, S., Bononi, M., Tateo, F., Calleri, E., Pierimarchi, P., Hovenia dulcis thumberg: Phytochemistry, pharmacology, toxicology and regulatory framework for its use in the european union, <i>Molecules</i> , 2021, 26, 903; DOI:10.3390/molecules26040903.	5.110	Q2
27	CHIM-08	Zheng, C., Terreni, M., Sollogoub, M., Zhang, Y., Functional role of glycosphingolipids in cancer, <i>Current Medicinal Chemistry</i> , 2021, 28, 3913-3924; DOI:10.2174/0929867327666200831132200.	5.046	Q2

Editorials

N.	SSD involved	Reference (alphabetical order according to the first author)	I.F. (5 years) JCR 2021	Q JCR 2021 by JIF
1	CHIM-01	Profumo, A., Speltini, A., Towards green, enhanced photocatalysts for hydrogen evolution, <i>Catalysts</i> , 2021, 11, 1-2, DOI:10.3390/catal11010093.	4.641	Q2

Book Chapters

N.	SSD involved	Reference (alphabetical order according to the first author)	I.F. (5 years) JCR 2021	Q JCR 2021 by JIF
1	BIO-14	Corsini, E., Buoso, E., Galbiati, V., Racchi, M., Role of Protein Kinase C in Immune Cell Activation and Its Implication Chemical-Induced Immunotoxicity, <i>Advances in Experimental Medicine and Biology</i> , 2021,1275,151-163, DOI:10.1007/978-3-030-49844-3 6.	3.634	Q2
2	CHIM-09	Perteghella, S., Bari, E., Silk-fibroin Micro-drug Delivery Systems. In: <i>Silk-based Drug Delivery Systems</i> , Edited by Bari E., Perteghella S. and Torre M.L.,The Royal Society of Chemistry, 2021, DOI: 10.1039/9781839162664-00064.	N.A	N.A