

Chiara Schiraldi

List of Publications by Year in descending order

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175
papers

4,733
citations

87886
38
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144002
57
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182
all docs

182
docs citations

182
times ranked

5467
citing authors

#	ARTICLE	IF	CITATIONS
1	Capsular polysaccharide from a fish-gut bacterium induces/promotes apoptosis of colon cancer cells in vitro through Caspases' pathway activation. Carbohydrate Polymers, 2022, 278, 118908.	10.2	10
2	Evaluation of novel biomaterials for cartilage regeneration based on gelatin methacryloyl interpenetrated with extractive chondroitin sulfate or unsulfated biotechnological chondroitin. Journal of Biomedical Materials Research - Part A, 2022, 110, 1210-1223.	4.0	22
3	Potential of Biofermentative Unsulfated Chondroitin and Hyaluronic Acid in Dermal Repair. International Journal of Molecular Sciences, 2022, 23, 1686.	4.1	5
4	Label-Free Quantitative Proteomics to Explore the Action Mechanism of the Pharmaceutical-Grade Triticum vulgare Extract in Speeding Up Keratinocyte Healing. Molecules, 2022, 27, 1108.	3.8	5
5	Exploiting Potential Biotechnological Applications of Poly- $\hat{1}^3$ -glutamic Acid Low Molecular Weight Fractions Obtained by Membrane-Based Ultra-Filtration. Polymers, 2022, 14, 1190.	4.5	5
6	Limosilactobacillus fermentum from buffalo milk is suitable for potential biotechnological process development and inhibits Helicobacter pylori in a gastric epithelial cell model. Biotechnology Reports (Amsterdam, Netherlands), 2022, , e00732.	4.4	10
7	Niclosamide as a Repurposing Drug against Corynebacterium striatum Multidrug-Resistant Infections. Antibiotics, 2022, 11, 651.	3.7	9
8	Chondroitin sulfate: are the purity and the structural features well assessed? A review on the analytical challenges. Carbohydrate Polymers, 2022, 292, 119690.	10.2	16
9	Polydatin Incorporated in Polycaprolactone Nanofibers Improves Osteogenic Differentiation. Pharmaceuticals, 2022, 15, 727.	3.8	4
10	Hyaluronan Hydrogels: Rheology and Stability in Relation to the Type/Level of Biopolymer Chemical Modification. Polymers, 2022, 14, 2402.	4.5	6
11	Gelatin-biofermentative unsulfated glycosaminoglycans semi-interpenetrating hydrogels via microbial-transglutaminase crosslinking enhance osteogenic potential of dental pulp stem cells. International Journal of Energy Production and Management, 2021, 8, rbaa052.	3.7	6
12	Timely Supplementation of Hydrogels Containing Sulfated or Unsulfated Chondroitin and Hyaluronic Acid Affects Mesenchymal Stromal Cells Commitment Toward Chondrogenic Differentiation. Frontiers in Cell and Developmental Biology, 2021, 9, 641529.	3.7	16
13	Unsulfated biotechnological chondroitin by itself as well as in combination with high molecular weight hyaluronan improves the inflammation profile in osteoarthritis in vitro model. Journal of Cellular Biochemistry, 2021, 122, 1021-1036.	2.6	18
14	Chondroitin Sulfate in USA Dietary Supplements in Comparison to Pharma Grade Products: Analytical Fingerprint and Potential Anti-Inflammatory Effect on Human Osteoarthritic Chondrocytes and Synoviocytes. Pharmaceutics, 2021, 13, 737.	4.5	13
15	Hyaluronan Hydrogels for Injection in Superficial Dermal Layers: An In Vitro Characterization to Compare Performance and Unravel the Scientific Basis of Their Indication. International Journal of Molecular Sciences, 2021, 22, 6005.	4.1	7
16	Acellular Dermal Matrix Used in Diabetic Foot Ulcers: Clinical Outcomes Supported by Biochemical and Histological Analyses. International Journal of Molecular Sciences, 2021, 22, 7085.	4.1	14
17	Microbioreactor (<sc>microMatrix</sc>) potential in aerobic and anaerobic conditions with different industrially relevant microbial strains. Biotechnology Progress, 2021, 37, e3184.	2.6	6
18	Hard-to-heal wound treated with Integra Flowable Wound Matrix: analysis and clinical observations. Journal of Wound Care, 2021, 30, 644-652.	1.2	1

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19	Lignin/Carbohydrate Complex Isolated from <i>Posidonia oceanica</i> Sea Balls (Egagropili): Characterization and Antioxidant Reinforcement of Protein-Based Films. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9147.	4.1	15
20	Optimization of Pre-Inoculum, Fermentation Process Parameters and Precursor Supplementation Conditions to Enhance Apigenin Production by a Recombinant <i>Streptomyces albus</i> Strain. <i>Fermentation</i> , 2021, 7, 161.	3.0	5
21	Hyaluronan and Derivatives: An In Vitro Multilevel Assessment of Their Potential in Viscosupplementation. <i>Polymers</i> , 2021, 13, 3208.	4.5	6
22	Exploiting diol reactivity for the access to unprecedented low molecular weight curdlan sulfate polysaccharides. <i>Carbohydrate Polymers</i> , 2021, 269, 118324.	10.2	7
23	<i>Streptomyces</i> as platform for biotechnological production processes of drugs. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 551-568.	3.6	39
24	Antioxidant and Hypolipidemic Activity of Açaí Fruit Makes It a Valuable Functional Food. <i>Antioxidants</i> , 2021, 10, 40.	5.1	8
25	S-Adenosylmethionine Inhibits Cell Growth and Migration of Triple Negative Breast Cancer Cells through Upregulating MiRNA-34c and MiRNA-449a. <i>International Journal of Molecular Sciences</i> , 2021, 22, 286.	4.1	11
26	Hyaluronan-Based Gel Promotes Human Dental Pulp Stem Cells Bone Differentiation by Activating YAP/TAZ Pathway. <i>Cells</i> , 2021, 10, 2899.	4.1	20
27	Microbiological-Chemical Sourced Chondroitin Sulfates Protect Neuroblastoma SH-SY5Y Cells against Oxidative Stress and Are Suitable for Hydrogel-Based Controlled Release. <i>Antioxidants</i> , 2021, 10, 1816.	5.1	3
28	Concentrated Buffalo Whey as Substrate for Probiotic Cultures and as Source of Bioactive Ingredients: A Local Circular Economy Approach towards Reuse of Wastewaters. <i>Fermentation</i> , 2021, 7, 281.	3.0	5
29	Semisynthetic Isomers of Fucosylated Chondroitin Sulfate Polysaccharides with Fucosyl Branches at a Non-Natural Site. <i>Biomacromolecules</i> , 2021, 22, 5151-5161.	5.4	5
30	Complete Lipooligosaccharide Structure from <i>Pseudoalteromonas nigrifaciens</i> Sq02-Rifr and Study of Its Immunomodulatory Activity. <i>Marine Drugs</i> , 2021, 19, 646.	4.6	2
31	An Overview of Soft Tissue Fillers for Cosmetic Dermatology: From Filling to Regenerative Medicine. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2021, Volume 14, 1857-1866.	1.8	17
32	Hyaluronan-based hydrogels via ether-crosslinking: Is HA molecular weight an effective means to tune gel performance?. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 94-101.	7.5	14
33	Q-switched Nd-YAG laser alone and in combination with innovative hyaluronic acid gels improve keratinocytes wound healing in vitro. <i>Lasers in Medical Science</i> , 2020, 36, 1047-1057.	2.1	5
34	Chestnut Shells as Waste Material for Succinic Acid Production from <i>Actinobacillus succinogenes</i> 130Z. <i>Fermentation</i> , 2020, 6, 105.	3.0	5
35	An in vitro study to assess the effect of hyaluronan-based gels on muscle-derived cells: Highlighting a new perspective in regenerative medicine. <i>PLoS ONE</i> , 2020, 15, e0236164.	2.5	8
36	Herbicide Widespread: The Effects of Pethoxamid on Nonalcoholic Fatty Liver Steatosis In Vitro. <i>Journal of Toxicology</i> , 2020, 2020, 1-8.	3.0	1

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37	Glutamic Acid as Repeating Building Block for Bio-Based Films. <i>Polymers</i> , 2020, 12, 1613.	4.5	6
38	Microgravity-Induced Cell-to-Cell Junctional Contacts Are Counteracted by Antioxidant Compounds in TCam-2 Seminoma Cells. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8289.	2.5	3
39	Biotechnological Transformation of Hydrocortisone into 16 β -Hydroxyprednisolone by Coupling <i>Arthrobacter simplex</i> and <i>Streptomyces roseochromogenes</i> . <i>Molecules</i> , 2020, 25, 4912.	3.8	11
40	High-performance capillary electrophoresis to determine intact keratan sulfate and hyaluronic acid in animal origin chondroitin sulfate samples and food supplements. <i>Electrophoresis</i> , 2020, 41, 1740-1748.	2.4	8
41	Differential Secretome Profiling of Human Osteoarthritic Synoviocytes Treated with Biotechnological Unsulfated and Marine Sulfated Chondroitins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3746.	4.1	15
42	Decellularized Human Dermal Matrix as a Biological Scaffold for Cardiac Repair and Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 229.	4.1	31
43	<p>Hyaluronan Dermal Fillers: Efforts Towards a Wider Biophysical Characterization and the Correlation of the Biophysical Parameters to the Clinical Outcome</p>. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2020, Volume 13, 87-97.	1.8	13
44	Black Edible Films from Protein-Containing Defatted Cake of <i>Nigella sativa</i> Seeds. <i>International Journal of Molecular Sciences</i> , 2020, 21, 832.	4.1	34
45	Molecular Mechanisms at the Basis of Pharmaceutical Grade <i>Triticum vulgare</i> Extract Efficacy in Prompting Keratinocytes Healing. <i>Molecules</i> , 2020, 25, 431.	3.8	10
46	<i>Lactobacillus brevis</i> CD2: Fermentation Strategies and Extracellular Metabolites Characterization. <i>Probiotics and Antimicrobial Proteins</i> , 2020, 12, 1542-1554.	3.9	7
47	<p>Evaluation of the Volumizing Performance of a New Volumizer Filler in Volunteers with Age-Related Midfacial Volume Defects</p>. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2020, Volume 13, 683-690.	1.8	4
48	Title is missing!. , 2020, 15, e0236164.		0
49	Title is missing!. , 2020, 15, e0236164.		0
50	Title is missing!. , 2020, 15, e0236164.		0
51	Title is missing!. , 2020, 15, e0236164.		0
52	Title is missing!. , 2020, 15, e0236164.		0
53	Title is missing!. , 2020, 15, e0236164.		0
54	A biophysically-defined hyaluronic acid-based compound accelerates migration and stimulates the production of keratinocyte-derived neuromodulators. <i>Cell Adhesion and Migration</i> , 2019, 13, 23-32.	2.7	4

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55	Isolation, characterization and analysis of pro-inflammatory potential of <i>Klebsiella pneumoniae</i> outer membrane vesicles. <i>Microbial Pathogenesis</i> , 2019, 136, 103719.	2.9	28
56	Comparative Analyses of Pharmaceuticals or Food Supplements Containing Chondroitin Sulfate: Are Their Bioactivities Equivalent?. <i>Advances in Therapy</i> , 2019, 36, 3221-3237.	2.9	24
57	In Vitro Evaluation of Novel Hybrid Cooperative Complexes in a Wound Healing Model: A Step Toward Improved Bioreparation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4727.	4.1	12
58	Molecular weight determination of heparosan- and chondroitin-like capsular polysaccharides: figuring out differences between wild-type and engineered <i>Escherichia coli</i> strains. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6771-6782.	3.6	21
59	European chondroitin sulfate and glucosamine food supplements: A systematic quality and quantity assessment compared to pharmaceuticals. <i>Carbohydrate Polymers</i> , 2019, 222, 114984.	10.2	44
60	Development of Semisynthetic, Regioselective Pathways for Accessing the Missing Sulfation Patterns of Chondroitin Sulfate. <i>Biomacromolecules</i> , 2019, 20, 3021-3030.	5.4	27
61	Hyaluronic acid and chondroitin sulfate, alone or in combination, efficiently counteract induced bladder cell damage and inflammation. <i>PLoS ONE</i> , 2019, 14, e0218475.	2.5	24
62	Novel Hybrid Gels Made of High and Low Molecular Weight Hyaluronic Acid Induce Proliferation and Reduce Inflammation in an Osteoarthritis <i>In Vitro</i> Model Based on Human Synoviocytes and Chondrocytes. <i>BioMed Research International</i> , 2019, 2019, 1-13.	1.9	29
63	Hyaluronan-based hydrogels as dermal fillers: The biophysical properties that translate into a "volumetric" effect. <i>PLoS ONE</i> , 2019, 14, e0218287.	2.5	46
64	Improved production of succinic acid from <i>Basfia succiniciproducens</i> growing on <i>A. donax</i> and process evaluation through material flow analysis. <i>Biotechnology for Biofuels</i> , 2019, 12, 22.	6.2	17
65	A Study for the Access to a Semi-synthetic Regioisomer of Natural Fucosylated Chondroitin Sulfate with Fucosyl Branches on N-acetyl-Galactosamine Units. <i>Marine Drugs</i> , 2019, 17, 655.	4.6	13
66	Protective effect of extractive and biotechnological chondroitin in insulin amyloid and advanced glycation end product-induced toxicity. <i>Journal of Cellular Physiology</i> , 2019, 234, 3814-3828.	4.1	14
67	In vitro intestinal epithelium responses to titanium dioxide nanoparticles. <i>Food Research International</i> , 2019, 119, 634-642.	6.2	41
68	Sulfation degree not origin of chondroitin sulfate derivatives modulates keratinocyte response. <i>Carbohydrate Polymers</i> , 2018, 191, 53-64.	10.2	19
69	Physiological characterization and quantitative proteomic analyses of metabolically engineered <i>E. coli</i> K4 strains with improved pathways for capsular polysaccharide biosynthesis. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1801-1814.	3.3	15
70	Isolation of new cellulase and xylanase producing strains and application to lignocellulosic biomasses hydrolysis and succinic acid production. <i>Bioresource Technology</i> , 2018, 259, 325-333.	9.6	38
71	Microbial production and metabolic engineering of chondroitin and chondroitin sulfate. <i>Emerging Topics in Life Sciences</i> , 2018, 2, 349-361.	2.6	22
72	In Vitro Evaluation of Hybrid Cooperative Complexes of Hyaluronic Acid as a Potential New Ophthalmic Treatment. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2018, 34, 677-684.	1.4	10

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73	Epigenetic modulator UVI5008 inhibits MRSA by interfering with bacterial gyrase. <i>Scientific Reports</i> , 2018, 8, 13117.	3.3	31
74	Innovative Biocatalysts as Tools to Detect and Inactivate Nerve Agents. <i>Scientific Reports</i> , 2018, 8, 13773.	3.3	13
75	Valorization of Olive Mill Wastewater by Membrane Processes to Recover Natural Antioxidant Compounds for Cosmeceutical and Nutraceutical Applications or Functional Foods. <i>Antioxidants</i> , 2018, 7, 72.	5.1	39
76	Positive Effects against UV-A Induced Damage and Oxidative Stress on an<i> In Vitro</i> Cell Model Using a Hyaluronic Acid Based Formulation Containing Amino Acids, Vitamins, and Minerals. <i>BioMed Research International</i> , 2018, 2018, 1-11.	1.9	18
77	High yield production and purification of two recombinant thermostable phosphotriesterase-like lactonases from <i>Sulfolobus acidocaldarius</i> and <i>Sulfolobus solfataricus</i> useful as bioremediation tools and bioscavengers. <i>BMC Biotechnology</i> , 2018, 18, 18.	3.3	22
78	In vitro assessment of nutraceutical compounds and novel nutraceutical formulations in a liver-steatosis-based model. <i>Lipids in Health and Disease</i> , 2018, 17, 24.	3.0	13
79	Macroporous alginate foams crosslinked with strontium for bone tissue engineering. <i>Carbohydrate Polymers</i> , 2018, 202, 72-83.	10.2	52
80	Hybrid complexes of high and low molecular weight hyaluronan delay in vitro replicative senescence of mesenchymal stromal cells: a pilot study for future therapeutic application. <i>Aging</i> , 2018, 10, 1575-1585.	3.1	22
81	Optical monitoring of cell migration processes in a 3D scaffold. , 2018, , .		0
82	New insight into chondroitin and heparosan-like capsular polysaccharide synthesis by profiling of the nucleotide sugar precursors. <i>Bioscience Reports</i> , 2017, 37, .	2.4	33
83	Boosted large-scale production and purification of a thermostable archaeal phosphotriesterase-like lactonase for organophosphate decontamination. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 363-375.	3.0	8
84	Bio-Based Succinate Production from <i>Arundo donax</i> Hydrolysate with the New Natural Succinic Acid-Producing Strain <i>Basfia succiniciproducens</i> BPP7. <i>Bioenergy Research</i> , 2017, 10, 488-498.	3.9	51
85	Physico-Optical properties of a crosslinked hyaluronic acid scaffold for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2017, 134, e45243.	2.6	4
86	Hyaluronan hydrogels with a low degree of modification as scaffolds for cartilage engineering. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 978-989.	7.5	22
87	Engineering <i>S. equi</i> subsp. <i>zooepidemicus</i> towards concurrent production of hyaluronic acid and chondroitin biopolymers of biomedical interest. <i>AMB Express</i> , 2017, 7, 61.	3.0	21
88	A multi-analytical approach to better assess the keratan sulfate contamination in animal origin chondroitin sulfate. <i>Analytica Chimica Acta</i> , 2017, 958, 59-70.	5.4	40
89	Hybrid Complexes of High and Low Molecular Weight Hyaluronans Highly Enhance HASCs Differentiation: Implication for Facial Bioremodelling. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 1078-1092.	1.6	52
90	Optimization of benzoquinone and hydroquinone derivatives as potent inhibitors of human 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 715-726.	5.5	25

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91	Is molecular size a discriminating factor in hyaluronan interaction with human cells?. Carbohydrate Polymers, 2017, 157, 21-30.	10.2	68
92	Intestinal Dysbiosis and Yeast Isolation in Stool of Subjects with Autism Spectrum Disorders. Mycopathologia, 2017, 182, 349-363.	3.1	115
93	The polysaccharide and low molecular weight components of <i>Opuntia ficus indica</i> cladodes: Structure and skin repairing properties. Carbohydrate Polymers, 2017, 157, 128-136.	10.2	66
94	Discovery of novel multi-target indole-based derivatives as potent and selective inhibitors of chikungunya virus replication. Bioorganic and Medicinal Chemistry, 2017, 25, 327-337.	3.0	34
95	Beta-Defensin-2 and Beta-Defensin-3 Reduce Intestinal Damage Caused by <i>Salmonella typhimurium</i> Modulating the Expression of Cytokines and Enhancing the Probiotic Activity of <i>Enterococcus faecium</i> . Journal of Immunology Research, 2017, 2017, 1-9.	2.2	61
96	Hyaluronan Hybrid Cooperative Complexes as a Novel Frontier for Cellular Bioprocesses Re-Activation. PLoS ONE, 2016, 11, e0163510.	2.5	46
97	A Semisynthetic Approach to New Immunoadjuvant Candidates: Site-Selective Chemical Manipulation of <i>Escherichia coli</i> Monophosphoryl Lipid. Chemistry - A European Journal, 2016, 22, 11053-11063.	3.3	12
98	Myclobutanil worsens nonalcoholic fatty liver disease: An in vitro study of toxicity and apoptosis on HepG2 cells. Toxicology Letters, 2016, 262, 100-104.	0.8	23
99	Production of succinic acid from <i>Basfia succiniciproducens</i> up to the pilot scale from <i>Arundo donax</i> hydrolysate. Bioresource Technology, 2016, 222, 355-360.	9.6	56
100	Optimization of hyaluronan-based eye drop formulations. Carbohydrate Polymers, 2016, 153, 275-283.	10.2	63
101	A Modular Approach to a Library of Semi-Synthetic Fucosylated Chondroitin Sulfate Polysaccharides with Different Sulfation and Fucosylation Patterns. Chemistry - A European Journal, 2016, 22, 18215-18226.	3.3	24
102	Biophysical and biological characterization of a new line of hyaluronan-based dermal fillers: A scientific rationale to specific clinical indications. Materials Science and Engineering C, 2016, 68, 565-572.	7.3	41
103	Biotechnological Chondroitin a Novel Glycosaminoglycan With Remarkable Biological Function on Human Primary Chondrocytes. Journal of Cellular Biochemistry, 2016, 117, 2158-2169.	2.6	50
104	Hyaluronan dermal fillers via crosslinking with 1,4-butanediol diglycidyl ether: Exploitation of heterogeneous reaction conditions. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 9-18.	3.4	23
105	Mancozeb, a fungicide routinely used in agriculture, worsens nonalcoholic fatty liver disease in the human HepG2 cell model. Toxicology Letters, 2016, 249, 1-4.	0.8	51
106	Advances in the 16 α -hydroxy transformation of hydrocortisone by <i>Streptomyces roseochromogenes</i> . Process Biochemistry, 2016, 51, 1-8.	3.7	13
107	Production and properties of an exopolysaccharide synthesized by the extreme halophilic archaeon <i>Haloterrigena turkmenica</i> . Applied Microbiology and Biotechnology, 2016, 100, 613-623.	3.6	47
108	Hyaluronan viscosupplementation: state of the art and insight into the novel cooperative hybrid complexes based on high and low molecular weight HA of potential interest in osteoarthritis treatment. Clinical Cases in Mineral and Bone Metabolism, 2016, 13, 36-7.	1.0	11

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109	Extremozymes. , 2016, , 758-759.		0
110	Halophiles. , 2016, , 905-906.		0
111	Engineering a branch of the UDP-glucose precursor biosynthesis pathway enhances the production of capsular polysaccharide in <i>Escherichia coli</i> O5:K4:H4. Biotechnology Journal, 2015, 10, 1307-1315.	3.5	29
112	<i>Lactobacillus plantarum</i> : Microfiltration experiments for the production of probiotic biomass to be used in food and nutraceutical preparations. Biotechnology Progress, 2015, 31, 325-333.	2.6	11
113	Chemical Fucosylation of a Polysaccharide: A Semisynthetic Access to Fucosylated Chondroitin Sulfate. Biomacromolecules, 2015, 16, 2237-2245.	5.4	37
114	In vitro analysis of the effects on wound healing of high- and low-molecular weight chains of hyaluronan and their hybrid H-HA/L-HA complexes. BMC Cell Biology, 2015, 16, 19.	3.0	83
115	<i>Saccharomyces pastorianus</i> as cell factory to improve production of fructose 1,6-diphosphate using novel fermentation strategies. AIMS Bioengineering, 2015, 2, 206-221.	1.1	0
116	Nanoparticles for the delivery of zoledronic acid to prostate cancer cells: A comparative analysis through time lapse video-microscopy technique. Cancer Biology and Therapy, 2014, 15, 1524-1532.	3.4	14
117	Cytoskeleton Modifications and Autophagy Induction in TCam-2 Seminoma Cells Exposed to Simulated Microgravity. BioMed Research International, 2014, 2014, 1-14.	1.9	21
118	Biotechnological transformation of hydrocortisone to 16 α -hydroxy hydrocortisone by <i>Streptomyces roseochromogenes</i> . Applied Microbiology and Biotechnology, 2014, 98, 1291-1299.	3.6	19
119	IS2-mediated overexpression of kfoC in <i>E. coli</i> K4 increases chondroitin-like capsular polysaccharide production. Applied Microbiology and Biotechnology, 2014, 98, 3955-3964.	3.6	19
120	Engineering of the UDP-glucose precursor biosynthesis pathway to enhance the production of capsular polysaccharide in <i>E. coli</i> K4. New Biotechnology, 2014, 31, S131.	4.4	0
121	A combined fermentative-chemical approach for the scalable production of pure <i>E. coli</i> monophosphoryl lipid A. Applied Microbiology and Biotechnology, 2014, 98, 7781-7791.	3.6	8
122	<i>Lactobacillus crispatus</i> L1: high cell density cultivation and exopolysaccharide structure characterization to highlight potentially beneficial effects against vaginal pathogens. BMC Microbiology, 2014, 14, 137.	3.3	57
123	Mesophilic Organisms. , 2014, , 1-2.		10
124	Extremozymes. , 2014, , 1-2.		0
125	Halophiles. , 2014, , 1-2.		0
126	Homologous overexpression of rfaH in <i>E. coli</i> K4 improves the production of chondroitin-like capsular polysaccharide. Microbial Cell Factories, 2013, 12, 46.	4.0	48

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127	Monosaccharide precursors for boosting chondroitin-like capsular polysaccharide production. Applied Microbiology and Biotechnology, 2013, 97, 1699-1709.	3.6	22
128	Human Ng2 ⁺ adipose stem cells loaded in vivo on a new crosslinked hyaluronic acid κ lys scaffold fabricate a skeletal muscle tissue. Journal of Cellular Physiology, 2013, 228, 1762-1773.	4.1	57
129	Hyaluronan scaffolds via diglycidyl ether crosslinking: Toward improvements in composition and performance. Carbohydrate Polymers, 2013, 96, 536-544.	10.2	37
130	Design of inhibitors of influenza virus membrane fusion: Synthesis, structure κ activity relationship and in vitro antiviral activity of a novel indole series. Antiviral Research, 2013, 99, 125-135.	4.1	39
131	Antibodies against Food Antigens in Patients with Autistic Spectrum Disorders. BioMed Research International, 2013, 2013, 1-11.	1.9	53
132	Properties of Newly-Synthesized Cationic Semi-Interpenetrating Hydrogels Containing Either Hyaluronan or Chondroitin Sulfate in a Methacrylic Matrix. Journal of Functional Biomaterials, 2012, 3, 225-238.	4.4	15
133	Production of glucuronic acid κ based polysaccharides by microbial fermentation for biomedical applications. Biotechnology Journal, 2012, 7, 237-250.	3.5	31
134	Application of a 22L scale membrane bioreactor and cross κ flow ultrafiltration to obtain purified chondroitin. Biotechnology Progress, 2012, 28, 1012-1018.	2.6	31
135	Semi κ Synthesis of Unusual Chondroitin Sulfate Polysaccharides Containing GlcA(3 κ O κ) κ sulfate) or GlcA(2,3 κ di κ O κ) κ sulfate) Units. Chemistry - A European Journal, 2012, 18, 2123-2130.	3.3	28
136	Purification of chondroitin precursor from <i>Escherichia coli</i> K4 fermentation broth using membrane processing. Biotechnology Journal, 2011, 6, 410-419.	3.5	21
137	Development of nanocomposite based on hydroxyethylmethacrylate and functionalized fumed silica: mechanical, chemical κ physical and biological characterization. Journal of Materials Science: Materials in Medicine, 2011, 22, 481-490.	3.6	8
138	MbCO Embedded in Trehalosyl-dextrin Matrices: Thermal Effects and Protein κ Matrix Coupling. Food Biophysics, 2011, 6, 217-226.	3.0	7
139	High cell density cultivation of Escherichia coli K4 in a microfiltration bioreactor: a step towards improvement of chondroitin precursor production. Microbial Cell Factories, 2011, 10, 10.	4.0	45
140	A Microbiological κ Chemical Strategy to Produce Chondroitin Sulfate A,C. Angewandte Chemie - International Edition, 2011, 50, 6160-6163.	13.8	60
141	Comparative analysis of commercial dermal fillers based on crosslinked hyaluronan: Physical characterization and in vitro enzymatic degradation. Polymer Degradation and Stability, 2011, 96, 630-636.	5.8	45
142	Production of capsular polysaccharide from Escherichia coli K4 for biotechnological applications. Applied Microbiology and Biotechnology, 2010, 85, 1779-1787.	3.6	66
143	Production of chondroitin sulfate and chondroitin. Applied Microbiology and Biotechnology, 2010, 87, 1209-1220.	3.6	118
144	Isolation of an Escherichia coli K4 kfoC mutant over-producing capsular chondroitin. Microbial Cell Factories, 2010, 9, 34.	4.0	36

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145	Improved fructosylated chondroitin production by kfoC overexpression in <i>E. coli</i> K4. <i>Journal of Biotechnology</i> , 2010, 150, 324-331.	3.8	29
146	A complete hyaluronan hydrodynamic characterization using a size exclusion chromatographyâ€“triple detector array system during in vitro enzymatic degradation. <i>Analytical Biochemistry</i> , 2010, 404, 21-29.	2.4	73
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