

CITATION REPORT

List of articles citing

Hyaluronic acid (hyaluronan): a review

DOI: 10.17221/1930-vetmed
Veterinari Medicina, 2008, 53, 397-411.

Source: <https://exaly.com/paper-pdf/45120307/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
644	Hyaluronidases, a group of glycosidases: Current and future perspectives. 2010 , 81, 165-181		75
643	Acetylated hyaluronic acid/photosensitizer conjugate for the preparation of nanogels with controllable phototoxicity: synthesis, characterization, autophotoquenching properties, and in vitro phototoxicity against HeLa cells. 2010 , 21, 1312-20		84
642	Nanostructural hybrid sensitizers for photodynamic therapy. 2012 , 18, 2607-21		22
641	Polymeric Photosensitizer Nano-drugs for Long Term Therapeutic Effect: in vitro and in vivo Phototoxicity against Human Colon Cancer (HCT-116). 2012 , 25, 713-718		1
640	Methyl [¹³ C]glucopyranosiduronic acids: effect of COOH ionization and exocyclic structure on NMR spin-couplings. 2012 , 77, 9521-34		9
639	Insulin-loaded pH-sensitive hyaluronic acid nanoparticles enhance transcellular delivery. 2012 , 13, 836-45		72
638	Repeated administration of exogenous Sodium-hyaluronate improved tendon healing in an in vivo transection model. 2012 , 21, 88-102		30
637	In vitro synthesis of bioactive hydroxyapatite using sodium hyaluronate as a template. 2012 , 22, 20257		42
636	Safety evaluation of a natural eggshell membrane-derived product. 2012 , 50, 604-11		29
635	Detailed characterization of hyaluronan using aqueous size exclusion chromatography with triple detection and multiangle light scattering detection. 2012 , 100, 1955-60		8
634	Transcription analysis of hyaluronan biosynthesis genes in Streptococcus zooepidemicus and metabolically engineered Lactococcus lactis. 2012 , 94, 1593-607		25
633	Genotoxicity, acute and subchronic toxicity studies in rats of a rooster comb extract rich in sodium hyaluronate. 2012 , 62, 532-41		4
632	Immunohistochemical expression of CD44s in human neuroblastic tumors: Moroccan experience and highlights on current data. 2013 , 8, 39		6
631	Combinatorial biomatrix/cell-based therapies for restoration of host tissue architecture and function. 2013 , 2, 1544-63		12
630	Glass Transition and Water Dynamics in Hyaluronic Acid Hydrogels. 2013 , 8, 192-202		16
629	Synthesis and immunological characterization of modified hyaluronic acid hexasaccharide conjugates. 2013 , 78, 8004-19		14
628	From Chondroitin Polymer to Size-Defined Hyaluronan Oligosaccharides. 2013 , 2013, 6934-6947		7

627	Equilibrium and release properties of hyaluronic acid-drug complexes. 2013 , 49, 588-94	17
626	NMR Spectroscopy of the Hydrated Layer of Composite Particles Based on Nanosized Al ₂ O ₃ and Vitreous Humor. 2013 , 80, 663-669	
625	Biopolymer coated gold nanocrystals prepared using the green chemistry approach and their shape-dependent catalytic and surface-enhanced Raman scattering properties. 2013 , 15, 11275-86	9
624	On designing stable magnetic vectors as carriers for malaria DNA vaccine. 2013 , 102, 492-503	21
623	Study of the mechanism of formation of hyaluronan putty at pH 2.5: part I. Experimental measurements. 2013 , 98, 1677-82	14
622	Comb-like ionic complexes of hyaluronic acid with alkyltrimethylammonium surfactants. 2013 , 92, 691-6	11
621	Transcriptional profiling in rats and an ex vivo analysis implicate novel beneficial function of egg shell membrane in liver fibrosis. 2013 , 5, 1611-1619	13
620	Applications and emerging trends of hyaluronic acid in tissue engineering, as a dermal filler and in osteoarthritis treatment. 2013 , 9, 7081-92	292
619	Effects of cell density and biomacromolecule addition on the flow behavior of concentrated mesenchymal cell suspensions. 2013 , 14, 4388-97	23
618	PEG-phosphorylcholine hydrogels as tunable and versatile platforms for mechanobiology. 2013 , 14, 2294-304	47
617	Micro/nanostructured hyaluronic acid matrices with tuned swelling and drug release properties. 2013 , 14, 1-9	31
616	Hyaluronic Acid: from biochemical characteristics to its clinical translation in assessment of liver fibrosis. 2013 , 13, e13787	34
615	Hyaluronan and synovial joint: function, distribution and healing. 2013 , 6, 111-25	121
614	Proteolytic activity from chicken intestine and pancreas: extraction, partial characterization and application for hyaluronic acid separation from chicken comb. 2013 , 93, 3390-4	3
613	Overview on Biocompatibilities of Implantable Biomaterials. 2013 ,	16
612	Histochemical and biometric study of the gastrointestinal system of <i>Hyla orientalis</i> (Bedriaga, 1890) (Anura, Hylidae). 2014 , 58, 2452	8
611	Interpenetrating polymer networks as innovative drug delivery systems. 2014 , 2014, 583612	75
610	Edible Polymers: Challenges and Opportunities. 2014 , 2014, 1-13	148

609	The Role of Extracellular Matrix in Lung Diseases. 2014 , 06,	6
608	. 2014 ,	1
607	Polyurethane biocompatible silver bionanocomposites for biomedical applications. 2014 , 16, 1	21
606	Four-week toxicity and toxicokinetics of piroxicam and hyaluronic acid combination following intra-articular injection in normal rats. 2014 , 10, 319-328	2
605	Magnetic microparticles post-synthetically coated by hyaluronic acid as an enhanced carrier for microfluidic bioanalysis. 2014 , 44, 345-51	4
604	Bilayered near-infrared fluorescent nanoparticles based on low molecular weight PEI for tumor-targeted in vivo imaging. 2014 , 16, 1	7
603	In vitro assessment of biopolymer-modified porous silicon microparticles for wound healing applications. 2014 , 88, 635-42	25
602	Isolation and characterization of hyaluronic acid from marine organisms. 2014 , 72, 61-77	18
601	The effect of adding hyaluronic acid to calcium phosphate on periapical tissue healing following periradicular surgery in dogs. 2014 , 11, 122-129	7
600	Application of topical pharmacological agents at the site of peripheral nerve injury and methods used for evaluating the success of the regenerative process. 2014 , 9, 94	19
599	Injectable Bioactive Glass/Polysaccharide Polymers Nanocomposites for Bone Substitution. 2014 , 614, 41-46	6
598	Hyaluronan deposition and co-localization with inflammatory cells and collagen in a murine model of fungal allergic asthma. 2014 , 63, 475-84	12
597	Investigation of dorsal/ventral skin and the parotoid region of <i>Lyciasalamandra billae</i> and <i>Lyciasalamandra luschni basoglu</i> (Urodela: Salamandridae). 2014 , 69, 389-394	5
596	Biodegradable polymers—overview. 2014 , 25, 427-435	161
595	Hyaluronic acid production with <i>Corynebacterium glutamicum</i> : effect of media composition on yield and molecular weight. 2014 , 117, 663-78	26
594	Hyaluronic acid conjugated graphene oxide for targeted drug delivery. 2014 , 69, 379-389	116
593	Addition of antimicrobial properties to hyaluronic acid by grafting of antimicrobial peptide. 2014 , 51, 182-190	62
592	Hyaluronic acid based materials for scaffolding via two-photon polymerization. 2014 , 15, 650-9	84

591	Double-layered hyaluronic acid/stearic acid-modified polyethyleneimine nanoparticles encapsulating (-)-gossypol: a nanocarrier for chiral anticancer drugs. 2014 , 2, 5238-5248	23
590	P429: Potentially harmful prescribing in older UK Patients: What drugs matter?. 2014 , 5, S216-S217	
589	Redox-responsive cystamine conjugated chitin/hyaluronic acid composite nanogels. 2014 , 4, 49547-49555	23
588	A self-assembled polymeric micellar immunomodulator for cancer treatment based on cationic amphiphilic polymers. 2014 , 35, 9912-9919	32
587	NMR chemical shifts in structural biology of glycosaminoglycans. 2014 , 86, 65-94	46
586	MSCs and hyaluronan: sticking together for new therapeutic potential?. 2014 , 55, 1-10	22
585	Detailed AFM Force Spectroscopy of the Interaction Between CD44 IgG Fusion Protein and Hyaluronan. 2014 , 4, 232-239	
584	Ingested hyaluronan moisturizes dry skin. 2014 , 13, 70	39
583	More than just a filler - the role of hyaluronan for skin homeostasis. 2014 , 23, 295-303	52
582	P431: Intra-articular injections of hyaluronic acid in knee osteoarthritis refractory to standard management in the elderly. 2014 , 5, S217	
581	P430: Acetaminophen for self-reported sleep problems in an elderly population (ASLEEP): a randomized double-blind placebo-controlled trial. 2014 , 5, S217	
580	Design of magnetic polyplexes taken up efficiently by dendritic cell for enhanced DNA vaccine delivery. 2014 , 21, 212-8	38
579	Clinical pharmacology of the equine musculoskeletal system. 2014 , 218-253	1
578	A New Concept of Photosynthesis. 2015 , 247-278	0
577	In vitro and ex vivo evaluation of biomaterials' distinctive properties as a result of thiolation. 2015 , 7, 449-57	10
576	Biomass Derived and Biomass Inspired Polymers in Pharmaceutical Applications. 2015 , 127-203	5
575	Innovations in subcutaneous infusions. 2015 , 38, 179-87	3
574	Investigation into the safety of perineural application of 1,4-butanediol diglycidyl ether-crosslinked hyaluronan in a rat model. 2015 , 103, 718-26	8

573	. 2015 ,	6
572	Hyaluronic acid and tendon lesions. 2015 , 5, 264-9	14
571	Drug Carrier for Photodynamic Cancer Therapy. 2015 , 16, 22094-136	159
570	Present and future medical applications of microbial exopolysaccharides. 2015 , 6, 1012	175
569	Modulation of biomechanical properties of hyaluronic acid hydrogels by crosslinking agents. 2015 , 103, 3072-80	35
568	Hyaluronic Acid for Percutaneous Drug Delivery. 2015 , 1-10	
567	Permeation enhancement via thiolation: in vitro and ex vivo evaluation of hyaluronic acid-cysteine ethyl ester. 2015 , 104, 2153-60	23
566	Polyurethane-extracellular matrix/silver bionanocomposites for urinary catheters. 2015 , 30, 99-113	12
565	Ionic strength effect on molecular structure of hyaluronic acid investigated by flow field-flow fractionation and multiangle light scattering. 2015 , 407, 1327-34	12
564	The History of Hyaluronic Acid Discovery, Foundational Research and Initial Use. 2015 , 1-8	0
563	Electrostatically self-assembled biodegradable microparticles from pseudoproteins and polysaccharide: fabrication, characterization, and biological properties. 2015 , 16, 564-77	9
562	Tendon et acide hyaluronique. 2015 , 30, 57-65	1
561	Hyaluronan stimulates ex vivo B lymphocyte chemotaxis and cytokine production in a murine model of fungal allergic asthma. 2015 , 220, 899-909	9
560	Glycosaminoglycans in Tendon Physiology, Pathophysiology, and Therapy. 2015 , 26, 1237-51	32
559	High and low molecular weight hyaluronic acid differentially influence macrophage activation. 2015 , 1, 481-493	278
558	[Efficacy of a medical device containing liposomal hyaluronic acid against vulvo-vaginal dryness]. 2015 , 43, 437-42	5
557	Laser micro-patterning of biodegradable polymer blends for tissue engineering. 2015 , 50, 923-936	24
556	Simple and efficient radiolabeling of hyaluronic acid and its in vivo evaluation via oral administration. 2015 , 305, 139-145	4

555	The Role of Hyaluronic Acid in the Correction of Soft Tissue Deficiencies: Review and Clinical Considerations. 2015 , 638, 270-273	
554	Adsorption of hyaluronic acid on solid supports: role of pH and surface chemistry in thin film self-assembly. 2015 , 448, 197-207	21
553	Hydrated polysaccharide multilayer as an intraocular lens surface coating for biocompatibility improvements. 2015 , 3, 3695-3703	35
552	A potential tailor-made hyaluronic acid buccal delivery system comprising rotigotine for Parkinson's disease?. 2015 , 7, 1225-32	16
551	Efficiency and durability of hyaluronic acid of different particle sizes as an injectable material for VF augmentation. 2015 , 135, 1311-8	9
550	Hyaluronic acid targeting of CD44 for cancer therapy: from receptor biology to nanomedicine. 2015 , 23, 605-18	278
549	Evaluation of hyaluronic acid-based combination adjuvant containing monophosphoryl lipid A and aluminum salt for hepatitis B vaccine. 2015 , 33, 4762-9	17
548	Modified Polysaccharides for Drug Delivery. 2015 , 1805-1835	7
547	Biodegradable Natural Polymers. 2015 , 33-66	12
546	Mulberry-like dual-drug complicated nanocarriers assembled with apogossypolone amphiphilic starch micelles and doxorubicin hyaluronic acid nanoparticles for tumor combination and targeted therapy. 2015 , 39, 131-44	70
545	Hyaluronic acid-modified multiwalled carbon nanotubes for targeted delivery of doxorubicin into cancer cells. 2015 , 405, 70-7	78
544	Comparison of surgical time and IOP spikes with two ophthalmic viscosurgical devices following Visian STAAR (ICL, V4c model) insertion in the immediate postoperative period. 2016 , 10, 207-11	6
543	Structural Effect of Different EDC Crosslinker Concentration in Gelatin- Hyaluronic Acid Scaffolds. 2016 , 06,	13
542	Fabrication of Novel Hydrogel with Berberine-Enriched Carboxymethylcellulose and Hyaluronic Acid as an Anti-Inflammatory Barrier Membrane. 2016 , 2016, 3640182	24
541	Bone Healing Improvements Using Hyaluronic Acid and Hydroxyapatite/Beta-Tricalcium Phosphate in Combination: An Animal Study. 2016 , 2016, 8301624	26
540	Engineered hydrogel-based matrices for skin wound healing. 2016 , 227-250	3
539	The association between radiographic embrasure morphology and interdental papilla reconstruction using injectable hyaluronic acid gel. 2016 , 46, 277-87	10
538	sFlt Multivalent Conjugates Inhibit Angiogenesis and Improve Half-Life In Vivo. 2016 , 11, e0155990	7

537	Biological Activities of Oleanolic Acid Derivatives from Calendula officinalis Seeds. 2016 , 30, 835-41	7
536	Targeting the Physicochemical, Cellular, and Immunosuppressive Properties of the Tumor Microenvironment by Depletion of Hyaluronan to Treat Cancer. 2016 , 249-268	
535	Hyaluronic Acid-Based Hydrogels on a Micro and Macro Scale. 2016 , 63-78	1
534	Development and characterization of alginate-chitosan-hyaluronic acid (ACH) composite fibers for medical applications. 2016 , 17, 1749-1756	19
533	Catch bond interaction allows cells to attach to strongly hydrated interfaces. 2016 , 11, 018905	1
532	Bioactive polymeric scaffolds for tissue engineering. 2016 , 1, 93-108	258
531	Hyaluronic acid-coated poly(D,L-lactide) (PDLLA) nanofibers prepared by electrospinning and coating. 2016 , 6, 34791-34796	20
530	Extracellular matrix-based cryogels for cartilage tissue engineering. 2016 , 93, 1410-1419	43
529	Microneedle arrays as transdermal and intradermal drug delivery systems: Materials science, manufacture and commercial development. 2016 , 104, 1-32	379
528	Mesoporous Silica Nanoparticles Functionalized with Hyaluronic Acid and Chitosan Biopolymers. Effect of Functionalization on Cell Internalization. 2016 , 2, 741-751	42
527	Antimicrobial Hyaluronic Acid-Cefoxitin Sodium Thin Films Produced by Electrospinning. 2016 , 73, 236-41	16
526	Hyaluronic Acid Molecular Weight Determines Lung Clearance and Biodistribution after Instillation. 2016 , 13, 1904-14	20
525	Methods for Generating Hydrogel Particles for Protein Delivery. 2016 , 44, 1946-58	36
524	Methods for Implant Acceptance and Wound Healing: Material Selection and Implant Location Modulate Macrophage and Fibroblast Phenotypes. 2016 , 5, 2575-2594	45
523	Novel Technique for Isolating Human Bone Marrow Stem Cells Using Hyaluronic Acid Hydrogel. 2016 , 22, 941-951	2
522	Preparation and fracture process of high strength hyaluronic acid hydrogels cross-linked by ethylene glycol diglycidyl ether. 2016 , 109, 42-51	26
521	Chondroprotective effect of high-molecular-weight hyaluronic acid on osteoarthritic chondrocytes in a co-cultivation inflammation model with M1 macrophages. 2016 , 13, 31	23
520	Effectiveness of hyaluronic acid and its derivatives on chronic wounds: a systematic review. 2016 , 25, 585-592	18

519	Tumor homing indocyanine green encapsulated micelles for near infrared and photoacoustic imaging of tumors. 2016 , 104, 825-34	14
518	Targeting cancer with hyaluronic acid-based nanocarriers: recent advances and translational perspectives. 2016 , 11, 2341-57	33
517	Mesenchymal stromal cell injection promotes vocal fold scar repair without long-term engraftment. 2016 , 18, 1284-96	12
516	Functional organic nanoparticles for photodynamic therapy. 2016 , 27, 1412-1420	30
515	Impact of biopolymer matrices on relaxometric properties of contrast agents. 2016 , 6, 20160061	20
514	The usefulness of λ -Tozer's model in deriving pharmacokinetic changes in response to changes in the concentration of drug-binding plasma protein. 2016 , 46, 659-663	
513	Hyaluronidase Injection to Precisely Correct the Bottoming Out Effect Following the HA Filler Rhinoplasty. 2016 , 33, 199-201	0
512	Chitosan-Based Thermosensitive Hydrogel for Controlled Drug Delivery to the Temporomandibular Joint. 2016 , 27, 735-40	17
511	Serum hyaluronic acid predicts protein-energy malnutrition in chronic hepatitis C. 2016 , 95, e3920	4
510	Hyaluronic Acid-Based Hydrogels Enable Rod Photoreceptor Survival and Maturation In Vitro through Activation of the mTOR Pathway. 2016 , 26, 1975-1985	24
509	High-titer biosynthesis of hyaluronic acid by recombinant <i>Corynebacterium glutamicum</i> . 2016 , 11, 574-84	47
508	Formation and properties of hyaluronan/nano Ag and hyaluronan-lecithin/nano Ag films. 2016 , 151, 452-457	21
507	An Fgf-Shh signaling hierarchy regulates early specification of the zebrafish skull. 2016 , 415, 261-277	11
506	Design and manufacture of neural tissue engineering scaffolds using hyaluronic acid and polycaprolactone nanofibers with controlled porosity. 2016 , 69, 380-7	68
505	Synthesis, Structural and Micromechanical Properties of 3D Hyaluronic Acid-Based Cryogel Scaffolds. 2016 , 17, 580-9	37
504	Human skin penetration of hyaluronic acid of different molecular weights as probed by Raman spectroscopy. 2016 , 22, 55-62	65
503	Development of antibiotic-loaded silk fibroin/hyaluronic acid polyelectrolyte film coated CoCrMo alloy. 2016 , 61, 463-474	3
502	Construction of antibacterial poly(ethylene terephthalate) films via layer by layer assembly of chitosan and hyaluronic acid. 2016 , 143, 35-43	56

501	An injectable scaffold based on crosslinked hyaluronic acid gel for tissue regeneration. 2016 , 6, 16838-16850	29
500	Radical-scavenging activity of glutathione, chitin derivatives and their combination 2016 , 70,	9
499	Localisation and endocrine control of hyaluronan synthase (HAS) 2, HAS3 and CD44 expression in sheep granulosa cells. 2016 , 28, 765-75	5
498	Biosynthesis of glycosaminoglycans: associated disorders and biochemical tests. 2016 , 39, 173-88	30
497	Bacteria-triggered degradation of nanofilm shells for release of antimicrobial agents. 2016 , 4, 672-682	15
496	Nanofilms of hyaluronan/chitosan assembled layer-by-layer: An antibacterial surface for <i>Xylella fastidiosa</i> . 2016 , 136, 1-11	43
495	Carboxymethyl chitosan-mediated synthesis of hyaluronic acid-targeted graphene oxide for cancer drug delivery. 2016 , 135, 72-8	121
494	Synovial fluid hyaluronan mediates MSC attachment to cartilage, a potential novel mechanism contributing to cartilage repair in osteoarthritis using knee joint distraction. 2016 , 75, 908-15	48
493	Considerations in the use of microneedles: pain, convenience, anxiety and safety. 2017 , 25, 29-40	48
492	Effects of hyaluronic acid and tacrolimus on the prevention of perineural scar formation and on nerve regeneration after sciatic nerve repair in a rabbit model. 2017 , 43, 497-504	20
491	HR007: a family of biomaterials based on glycosaminoglycans for tissue repair. 2017 , 11, 989-1001	10
490	Hyaluronate and its derivatives for customized biomedical applications. 2017 , 123, 155-171	100
489	Metabotyping Patients' Journeys Reveals Early Predisposition to Lung Injury after Cardiac Surgery. 2017 , 7, 40275	13
488	Effect of animal products and extracts on wound healing promotion in topical applications: a review. 2017 , 28, 703-729	12
487	Non-viral strategies for ocular gene delivery. 2017 , 77, 1275-1289	50
486	Hyaluronan thiomers gel/matrix mediated healing of articular cartilage defects in New Zealand White rabbits-a pilot study. 2017 , 4, 14	6
485	Hyaluronan random coils in electrolyte solutions-a molecular dynamics study. 2017 , 170, 289-295	13
484	Surface modification of lipid-based nanocarriers for cancer cell-specific drug targeting. 2017 , 47, 203-227	75

483	Targetability of hyaluronic acid nanogel to cancer cells: In vitro and in vivo studies. 2017 , 104, 102-113	27
482	Naturally derived proteins and glycosaminoglycan scaffolds for tissue engineering applications. 2017 , 78, 1277-1299	59
481	Macroalga <i>Padina pavonica</i> water extracts obtained by pressurized liquid extraction and microwave-assisted extraction inhibit hyaluronidase activity as shown by capillary electrophoresis. 2017 , 1497, 19-27	31
480	Enzymatically crosslinked silk-hyaluronic acid hydrogels. 2017 , 131, 58-67	165
479	Long-acting protein drugs for the treatment of ocular diseases. 2017 , 8, 14837	33
478	Complex solutions under shear and pressure: a rheometer setup for X-ray scattering experiments. 2017 , 24, 646-652	2
477	Evaluation of cell interaction with polymeric biomaterials based on hyaluronic acid and chitosan. 2017 , 28, 68	9
476	Recent advances in hyaluronic acid-decorated nanocarriers for targeted cancer therapy. 2017 , 22, 665-680	123
475	Polyethylene oxide (PEO)-hyaluronic acid (HA) nanofibers with kanamycin inhibits the growth of <i>Listeria monocytogenes</i> . 2017 , 86, 143-148	39
474	Bone matrix production in hydroxyapatite-modified hydrogels suitable for bone bioprinting. 2017 , 9, 044103	90
473	Use of hyaluronic acid as an alternative for reconstruction of interdental papilla. 2017 , 21, e199-e207	3
472	Effect of concentration of hyaluronic acid and NaCl on corrosion behavior of 316L austenitic stainless steel. 2017 , 4, 116508	10
471	Enhanced Biosynthesis of Hyaluronic Acid Using Engineered <i>Corynebacterium glutamicum</i> Via Metabolic Pathway Regulation. 2017 , 12, 1700191	30
470	Characterization of poly(L-glutamic acid)-grafted hyaluronan as a novel candidate medicine and biomedical device for intra-articular injection. 2017 , 105, 3006-3016	4
469	Hyaluronan/Collagen Hydrogels with Sulfated Hyaluronan for Improved Repair of Vascularized Tissue Tune the Binding of Proteins and Promote Endothelial Cell Growth. 2017 , 17, 1700154	17
468	Mechanically strong hyaluronic acid hydrogels with an interpenetrating network structure. 2017 , 94, 185-195	25
467	Synthesis and characterization of hyaluronic acid coated manganese dioxide microparticles that act as ROS scavengers. 2017 , 159, 30-38	15
466	3D Printing Polymers with Supramolecular Functionality for Biological Applications. 2017 , 18, 2669-2687	70

465	Hyaluronic acid improves frozen-thawed sperm quality and fertility potential in rooster. 2017 , 184, 204-210	33
464	Modalities for prevention of adhesion formation after tendon surgery: a review of the literature. 2017 , 40, 393-400	2
463	Dehydrated Human Amnion/Chorion Membrane (dHACM) Allografts as a Therapy for Orthopedic Tissue Repair. 2017 , 32, 149-157	24
462	Human Perinatal-Derived Biomaterials. 2017 , 6, 1700345	14
461	Principle Renewable Biopolymers and Their Biomedical Applications. 2017 , 107-138	
460	Ingestion of an Oral Hyaluronan Solution Improves Skin Hydration, Wrinkle Reduction, Elasticity, and Skin Roughness: Results of a Clinical Study. 2017 , 22, 816-823	19
459	Use of chromatographic and electrophoretic tools for assaying elastase, collagenase, hyaluronidase, and tyrosinase activity. 2017 , 1529, 1-28	18
458	Uso de ácido hialurónico como alternativa para la reconstrucción de la papila interdental. 2017 , 21, 205-213	0
457	Improved quality of porcine embryos cultured with hyaluronan due to the modification of the mitochondrial membrane potential and reactive oxygen species level. 2017 , 102, 1-9	8
456	Screening of anionic-modified polymers in terms of stability, disintegration, and swelling behavior. 2017 , 43, 1866-1872	3
455	Wound Healing and Anti-inflammatory Effects of Topical Hyaluronic Acid Injection in Surgical-Site Infection Caused by Staphylococcus aureus. 2017 , 16, 202-207	17
454	Examination of In vitro and In vivo biocompatibility of alginate-hyaluronic acid microbeads As a promising method in cell delivery for kidney regeneration. 2017 , 105, 143-153	21
453	CD44 and its ligand hyaluronan as potential biomarkers in malignant pleural mesothelioma: evidence and perspectives. 2017 , 18, 58	27
452	Antiadhesive and antibacterial polysaccharide multilayer as IOL coating for prevention of postoperative infectious endophthalmitis. 2017 , 66, 97-104	22
451	Injectable hydrogels prepared from partially oxidized hyaluronate and glycol chitosan for chondrocyte encapsulation. 2017 , 157, 1281-1287	52
450	Regulation and roles of the hyaluronan system in mammalian reproduction. 2017 , 153, R43-R58	35
449	Pre-injection of hyaluronic acid does not affect the systemic effects of intra-articular depot betamethasone injection at the knee joint. 2017 , 36, 217-221	1
448	Study of interactions between hyaluronan and cationic surfactants by means of calorimetry, turbidimetry, potentiometry and conductometry. 2017 , 157, 1837-1843	9

447	The effect of hyaluronic acid addition on the properties of smoked homogenised sausages. 2017 , 97, 2316-2326	6
446	Comparison of Peritendinous Hyaluronan Injections Versus Extracorporeal Shock Wave Therapy in the Treatment of Painful Achilles' Tendinopathy: A Randomized Clinical Efficacy and Safety Study. 2017 , 98, 64-71	28
445	Magnetic Nanovectors for the Development of DNA Blood-Stage Malaria Vaccines. 2017 , 7,	11
444	Hyaluronan-Based Nanohydrogels as Effective Carriers for Transdermal Delivery of Lipophilic Agents: Towards Transdermal Drug Administration in Neurological Disorders. 2017 , 7,	15
443	Chemical Composition and Pharmacological Effects of Geopropolis Produced by. 2017 , 2017, 8320804	5
442	The Role of Pharmacological Agents in Nerve Regeneration after Peripheral Nerve Repair. 2017 ,	1
441	Fabrication Methodologies of Biomimetic and Bioactive Scaffolds for Tissue Engineering Applications. 2017 ,	3
440	Rapid and Selective Cleavage of Amide Groups at Neutral pH: Applications from Hyaluronic Acid to Small Molecules. 2018 , 2018, 2995-3000	1
439	Polysaccharide Based Wound Care Materials. 2018 , 9-24	1
438	The extracellular matrix: Focus on oligodendrocyte biology and targeting CSPGs for remyelination therapies. 2018 , 66, 1809-1825	29
437	Directed Evolution of Hyaluronic Acid Synthase from <i>Pasteurella multocida</i> towards High-Molecular-Weight Hyaluronic Acid. 2018 , 19, 1414-1423	21
436	Metabolism and mechanisms of action of hyaluronan in human biology. 2018 , 33, 15-32	22
435	Hyaluronate likely contributes to the immunosuppression of the regenerating tail blastema in lizards: Implications for organ regeneration in amniotes. 2018 , 99, 321-330	5
434	Targeted delivery of SNX-2112 by polysaccharide-modified graphene oxide nanocomposites for treatment of lung cancer. 2018 , 185, 85-95	29
433	Quantification of hyaluronan (HA) using a simplified fluorophore-assisted carbohydrate electrophoresis (FACE) procedure. 2018 , 143, 297-316	10
432	A Continuum Model of Mucosa with Glycan-Ion Pairing. 2018 , 27, 1700079	4
431	Cytokines, growth factors and macromolecules as mediators of implantation in mammalian species. 2018 , 6, S6-S14	14
430	A robust protocol for directed aryl sulfotransferase evolution toward the carbohydrate building block GlcNAc. 2018 , 115, 1106-1115	8

429	Effect of concentration and surface roughness on corrosion behavior of CoCrMo alloy in hyaluronic acid. 2018 , 5, 015403	6
428	A non-woven fabric wound dressing containing layer - by - layer deposited hyaluronic acid and chitosan. 2018 , 114, 929-934	40
427	Generating vascular channels within hydrogel constructs using an economical open-source 3D bioprinter and thermoreversible gels. 2018 , 9, 7-18	23
426	One-pot synthesis of dopamine-conjugated hyaluronic acid/polydopamine nanocomplexes to control protein drug release. 2018 , 542, 288-296	14
425	Influence of scaffold design on 3D printed cell constructs. 2018 , 106, 533-545	51
424	Multivalent ion-based in situ gelling polysaccharide hydrogel as an injectable bone graft. 2018 , 180, 216-225	24
423	Spheroids Formation on Non-Adhesive Surfaces by Liquid Overlay Technique: Considerations and Practical Approaches. 2018 , 13, 1700417	62
422	IR 780-loaded hyaluronic acid micelles for enhanced tumor-targeted photothermal therapy. 2018 , 181, 1-9	24
421	Synthesis of Cross-Linking Chitosan-Hyaluronic Acid Based Hydrogels for Tissue Engineering Applications. 2018 , 671-675	5
420	Hyaluronic Acid Graft Copolymers with Cleavable Arms as Potential Intravitreal Drug Delivery Vehicles. 2018 , 18, 1700200	3
419	Noninvasive penetration of 5 nm hyaluronic acid molecules across the epidermal barrier (in vitro) and its interaction with human skin cells. 2018 , 24, 129-134	6
418	Hyaluronan incorporation into model contact lens hydrogels as a built-in lubricant: Effect of hydrogel composition and proteoglycan 4 as a lubricant in solution. 2018 , 106, 1818-1826	11
417	Hyaluronic Acid in Dermal Fillers. 2018 , 36-46	1
416	Intracutaneous delivery of gelatins induces lipolysis and suppresses lipogenesis of adipocytes. 2018 , 67, 238-247	15
415	Tyrosinase, elastase, hyaluronidase, inhibitory and antioxidant activity of Sri Lankan medicinal plants for novel cosmeceuticals. 2018 , 111, 597-605	57
414	Hyaluronan in experimental injured/inflamed cartilage: In vivo studies. 2018 , 193, 132-140	19
413	[Hyaluronic acid gels for pressure regulation in glaucoma treatment]. 2018 , 115, 195-201	
412	Synthesis of Polymer-Drug Conjugates Using Natural Polymer: What, Why and How?. 2018 , 5,	

411	Viscosupplementation for knee osteoarthritis: a focus on Hylan G-F 20. 2018 , 10, 73-81	14
410	Biomaterials for Regenerative Medicine: Historical Perspectives and Current Trends. 2018 , 1119, 1-19	10
409	Hyaluronic Acid-Based Nanomaterials for Cancer Therapy. 2018 , 10,	73
408	Multiple-Condition Analysis in a Retrievable Subcutaneous Animal Model for Drug Screening on Full Pancreatic Tissue Digest. 2018 , 16, 462-471	
407	Targeted Reinforcement of Macrophage Reprogramming Toward M2 Polarization by IL-4-Loaded Hyaluronic Acid Particles. 2018 , 3, 18444-18455	20
406	A comparative study of cartilage engineered constructs in immunocompromised, humanized and immunocompetent mice. 2018 , 2, 36-46	5
405	Biologic Options for Glenohumeral Arthritis. 2018 , 37, 537-548	3
404	Encapsulation and Release of Essential Oils in Functional Silica Nanocontainers. 2018 , 34, 13235-13243	31
403	Advanced Injectable Alternatives for Osteoarthritis. 2018 , 1077, 183-196	5
402	Cell Encapsulation. 2018 , 1-51	
401	Characterization of the visco-elastic properties of hyaluronic acid. 2018 , 55, 41-50	2
400	Nanoparticles Based Drug Delivery for Tissue Regeneration Using Biodegradable Scaffolds: a Review. 2018 , 6, 219-224	16
399	Hyaluronic acid/Na-alginate films as topical bioactive wound dressings. 2018 , 109, 101-109	54
398	Extended Intravitreal Rabbit Eye Residence of Nanoparticles Conjugated With Cationic Arginine Peptides for Intraocular Drug Delivery: In Vivo Imaging. 2018 , 59, 4071-4081	8
397	Molar Mass Analysis of Hydrophobically Modified Hyaluronic Acid by SEC-MALLS: Facing the Challenges of Amphiphilic Biomacromolecules. 2018 , 219, 1800233	2
396	Hydrogels from Catechol-Conjugated Polymeric Materials. 2018 , 435-470	1
395	Effects of temperature and solvent condition on phase separation induced molecular fractionation of gum arabic/hyaluronan aqueous mixtures. 2018 , 116, 683-690	8
394	Ionic coupling of hyaluronic acid with ethyl N-lauroyl l-arginate (LAE): Structure, properties and biocide activity of complexes. 2018 , 197, 109-116	6

393	Bioengineered Scaffolds for Stem Cell Applications in Tissue Engineering and Regenerative Medicine. 2018 , 1107, 73-89	17
392	Influence of different lubricating fluids on friction trauma of small intestine during enteroscopy. 2018 , 126, 29-38	7
391	Index serum hyaluronic acid independently and accurately predicts mortality in patients with liver disease. 2018 , 48, 423-430	4
390	Microneedle Manufacturing and Testing. 2018 , 21-70	
389	Metformin-Loaded Hyaluronic Acid Nanostructure for Oral Delivery. 2018 , 19, 2543-2553	14
388	Preparation and characterization of nanoparticles from quaternized cyclodextrin-grafted chitosan associated with hyaluronic acid for cosmetics. 2018 , 13, 498-504	26
387	Characterization of hyaluronic acid by dynamic light scattering and rheological techniques. 2018 ,	4
386	Modelling hyaluronan degradation by streptococcus pneumoniae hyaluronate lyase. 2018 , 303, 126-138	4
385	Preparation, Characterization and Wound Healing Effects of New Membranes Based on Chitosan, Hyaluronic Acid and Arginine Derivatives. 2018 , 10,	28
384	Complex coacervation-based loading and tunable release of a cationic protein from monodisperse glycosaminoglycan microgels. 2018 , 14, 6327-6341	19
383	Hyaluronic Acid. 2018 , 1059, 137-153	22
382	Therapeutic Contact Lenses with Polymeric Vehicles for Ocular Drug Delivery: A Review. 2018 , 11,	49
381	Bone tissue engineering: Scaffold preparation using chitosan and other biomaterials with different design and fabrication techniques. 2018 , 119, 1228-1239	131
380	Fibronectin interaction with growth factors in the context of general ways extracellular matrix molecules regulate growth factor signaling. 2018 , 153, 361-374	4
379	Effects of sulodexide on stability of sclerosing foams. 2019 , 34, 191-200	10
378	Tribological effectiveness of viscosupplements for osteoarthritis in knee joint. 2019 , 1, 1	3
377	Intra-articular Injection of Type I Atelocollagen to Alleviate Knee Pain: A Double-Blind, Randomized Controlled Trial. 2019 , 1947603519865304	9
376	In situ antibody-loaded hydrogel for intravitreal delivery. 2019 , 137, 104993	10

375	Hyaluronic Acid: The Reason for Its Variety of Physiological and Biochemical Functional Properties. 2019 , 6, 112-159	4
374	Recent Trends in Microneedle Development & Applications in Medicine and Cosmetics (2013-2018). 2019 , 95-144	2
373	Engineering <i>Corynebacterium glutamicum</i> for high-titer biosynthesis of hyaluronic acid. 2019 , 55, 276-289	39
372	Gamma-Irradiation-Prepared Low Molecular Weight Hyaluronic Acid Promotes Skin Wound Healing. 2019 , 11,	18
371	Depicting the exemplary knowledge of microbial exopolysaccharides in a nutshell. 2019 , 119, 298-310	23
370	Animal-Based Materials in the Formulation of Nanocarriers for Anticancer Therapeutics. 2019 , 319-341	2
369	Chemical insights into bioinks for 3D printing. 2019 , 48, 4049-4086	84
368	Hydrogels for Liver Tissue Engineering. 2019 , 6,	33
367	Interactions of a short hyaluronan chain with a phospholipid membrane. 2019 , 184, 110539	7
366	Biolubrication synergy: Hyaluronan - Phospholipid interactions at interfaces. 2019 , 274, 102050	25
365	Development and Assessment of Lipidic Nanoemulsions Containing Sodium Hyaluronate and Indomethacin. 2019 , 20, 330	5
364	Halloysite Nanoclay/Biopolymers Composite Materials in Tissue Engineering. 2019 , 14, e1900055	25
363	A Hyaluronan Hydrogel Scaffold for Culture of Human Oral Mucosal Epithelial Cells in Limbal Stem-Cell Therapy. 2019 , 6,	3
362	Evaluation of cartilage regeneration of chondrocyte encapsulated gellan gum-based hyaluronic acid blended hydrogel. 2019 , 141, 51-59	27
361	An Orally Administrated Hyaluronan Functionalized Polymeric Hybrid Nanoparticle System for Colon-Specific Drug Delivery. 2019 , 9,	17
360	Heterologous Hyaluronic Acid Production in. 2019 , 7,	12
359	Role of Exopolysaccharides in Biofilm Formation. 2019 , 17-57	8
358	Electrically conductive biomaterials based on natural polysaccharides: Challenges and applications in tissue engineering. 2019 , 141, 636-662	37

357	Requirement of Hyaluronan Synthase-2 in Craniofacial and Palate Development. 2019 , 98, 1367-1375	8
356	A Fundamental Approach Toward Polymers and Polymer Composites: Current Trends for Biomedical Applications. 2019 , 1-28	4
355	Hyaluronic acid gel-core liposomes (hyaluosomes) enhance skin permeation of ketoprofen. 2019 , 24, 947-953	10
354	Regeneration of Paralyzed Vocal Fold by the Injection of Plasmid DNA Complex-Loaded Hydrogel Bulking Agent. 2019 , 5, 1497-1508	5
353	Absence of Proteoglycan 4 (Prg4) Leads to Increased Subchondral Bone Porosity Which Can Be Mitigated Through Intra-Articular Injection of PRG4. 2019 , 37, 2077-2088	7
352	Effect of crosslinking agent to design nanostructured hyaluronic acid-based hydrogels with improved relaxometric properties. 2019 , 222, 114991	8
351	Catalytic mechanism of UDP-glucose dehydrogenase. 2019 , 47, 945-955	3
350	Hyaluronic acid behavior in oral administration and perspectives for nanotechnology-based formulations: A review. 2019 , 222, 115001	20
349	Natural polysaccharides: Structural features and properties. 2019 , 1-17	5
348	Polysaccharide nanomicelles as drug carriers. 2019 , 339-363	1
347	Hyaluronic Acid as an Emerging Technology Platform for Silencing RNA Delivery. 2019 , 415-458	1
346	Molecular size-dependent specificity of hyaluronan on functional properties, morphology and matrix composition of mammary cancer cells. 2019 , 3, 100008	19
345	Soft Tissue Augmentation (Temporary Injectable Fillers) of the Lower Face and Neck (Lips, Perioral, Nose, Neck). 2019 , 659-678	
344	Drug-eluting contact lens containing cyclosporine-loaded cholesterol-hyaluronate micelles for dry eye syndrome.. 2019 , 9, 16578-16585	29
343	Sulfation Patterns of Saccharides and Heavy Metal Ion Binding. 2019 , 25, 12083-12090	8
342	Hyaluronic Acid: Molecular Mechanisms and Therapeutic Trajectory. 2019 , 6, 192	179
341	HPLC with charged aerosol detector (CAD) as a quality control platform for analysis of carbohydrate polymers. 2019 , 12, 268	2
340	Sodium Hyaluronate Nanocomposite Respirable Microparticles to Tackle Antibiotic Resistance with Potential Application in Treatment of Mycobacterial Pulmonary Infections. 2019 , 11,	15

339	Hyaluronic acid for advanced therapies: Promises and challenges. 2019 , 117, 134-147	31
338	An in vitro study on the effects of various concentrations of low and high molecular weight hyaluronic acid on human chondrocyte cell metabolism. 2019 , 6, 123-127	0
337	Fabrication of Biopolymer-Based Organs and Tissues Using 3D Bioprinting. 2019 , 43-62	2
336	Pharmacotherapy and nanotechnology. 2019 , 1-21	
335	On the interaction of hyaluronic acid with synovial fluid lipid membranes. 2019 , 21, 9845-9857	20
334	The effect of oxidation degree and volume ratio of components on properties and applications of in situ cross-linking hydrogels based on chitosan and hyaluronic acid. 2019 , 103, 109670	28
333	Comprehensive two-dimensional liquid chromatography for the characterization of acrylate-modified hyaluronic acid. 2019 , 411, 3321-3330	5
332	Tissue specific human fibroblast differential expression based on RNAsequencing analysis. 2019 , 20, 308	22
331	Structural and surface properties control the recovery and purity of bio- hyaluronic acid upon precipitation with isopropyl alcohol. 2019 , 573, 112-118	5
330	Hyaluronan-Based Hydrogel Scaffolds for Limbal Stem Cell Transplantation: A Review. 2019 , 8,	19
329	Polymers for subunit vaccine delivery. 2019 , 114, 397-410	44
328	Cryogel composites based on hyaluronic acid and halloysite nanotubes as scaffold for tissue engineering. 2019 , 130, 627-635	50
327	Generation of novel hyaluronic acid biomaterials for study of pain in third molar intervention: a review. 2019 , 19, 11-19	8
326	Histological and histochemical study on the mesonephric kidney of Pelophylax bedriagae (Anura: Ranidae). 2019 , 43, 224-228	
325	Cell Encapsulation. 2019 , 377-427	1
324	Effect of modified di- and trisaccharides on hyaluronidase activity assessed by capillary electrophoresis-based enzymatic assay. 2019 , 475, 56-64	3
323	Hyaluronan: molecular size-dependent signaling and biological functions in inflammation and cancer. 2019 , 286, 2883-2908	119
322	Hyaluronic Acid-Based Activatable Nanomaterials for Stimuli-Responsive Imaging and Therapeutics: Beyond CD44-Mediated Drug Delivery. 2019 , 31, e1803549	117

321	In vitro skin permeation/retention of daidzein, genistein and glycitein from a soybean isoflavone rich fraction-loaded nanoemulsions and derived hydrogels. 2019 , 51, 63-69	13
320	Characterization and Comparative Analysis of the Staphylococcus aureus Genomic Island SaIIan Approach. 2019 , 201,	5
319	The inhibitory effects of polypyrrole on the biofilm formation of Streptococcus mutans. 2019 , 14, e0225584	7
318	Metal-Phenolic Network-Coated Hyaluronic Acid Nanoparticles for pH-Responsive Drug Delivery. 2019 , 11,	9
317	Immunostimulatory activity of low-molecular-weight hyaluronan on dendritic cells stimulated with Aggregatibacter actinomycetemcomitans or Porphyromonas gingivalis. 2019 , 23, 1887-1894	5
316	Beads fabricated from alginate, hyaluronic acid, and gelatin using ionic crosslinking and layer-by-layer coating techniques for controlled release of gentamicin. 2019 , 136, 46893	9
315	Hydrogels of agarose, and methacrylated gelatin and hyaluronic acid are more supportive for in vitro meniscus regeneration than three dimensional printed polycaprolactone scaffolds. 2019 , 122, 1152-1162	32
314	Stability, Cytotoxicity, and Retinal Pigment Epithelial Cell Binding of Hyaluronic Acid-Coated PLGA Nanoparticles Encapsulating Lutein. 2018 , 20, 4	21
313	Evaluation of in vitro bioactivity and in vitro biocompatibility of Polycaprolactone/Hyaluronic acid/Multiwalled Carbon Nanotubes/Extract from Mimosa tenuiflora composites. 2019 , 30, 97-109	1
312	Divergent immune responses to synthetic and biological scaffolds. 2019 , 192, 405-415	109
311	Biomaterials, Current Strategies, and Novel Nano-Technological Approaches for Periodontal Regeneration. 2019 , 10,	61
310	LC-MS/MS study of in vivo fate of hyaluronan polymeric micelles carrying doxorubicin. 2019 , 209, 181-189	8
309	Porcine Circovirus 2 Uses a Multitude of Weak Binding Sites To Interact with Heparan Sulfate, and the Interactions Do Not Follow the Symmetry of the Capsid. 2019 , 93,	15
308	Exploring the relationship of hyaluronic acid molecular weight and active targeting efficiency for designing hyaluronic acid-modified nanoparticles. 2019 , 14, 521-530	21
307	Gelatin-polysaccharide composite scaffolds for 3D cell culture and tissue engineering: Towards natural therapeutics. 2019 , 4, 96-115	121
306	Rationale for 24-hour management of dry eye disease: A review. 2019 , 42, 147-154	5
305	Altered Amniotic Fluid Levels of Hyaluronic Acid in Fetal Rats with Myelomeningocele: Understanding Spinal Cord Injury. 2019 , 36, 1965-1973	2
304	Injectable Supramolecular Hydrogel/Microgel Composites for Therapeutic Delivery. 2019 , 19, e1800248	43

303	3D models of the bone marrow in health and disease: yesterday, today and tomorrow. 2019 , 9, 37-52	17
302	A micro-rheological and rheological study of biopolymers solutions: Hyaluronic acid. 2019 , 203, 349-355	38
301	Effect of hyaluronic acid on phospholipid model membranes. 2019 , 173, 327-334	19
300	Purification of hyaluronidase as an anticancer agent inhibiting CD44. 2020 , 34, e4709	4
299	A Sensitive Chromatographic Method for Hyaluronate Quantification Applied to Analyze the Desorption Behavior on Contact Lenses. 2020 , 16, 782-791	1
298	Hyaluronic acid: A review on its biology, aspects of drug delivery, route of administrations and a special emphasis on its approved marketed products and recent clinical studies. 2020 , 151, 1012-1029	92
297	Anti-elastase and anti-hyaluronidase activity of phosvitin isolated from hen egg yolk. 2020 , 61, 17-21	4
296	Glycogen as a Building Block for Advanced Biological Materials. 2020 , 32, e1904625	21
295	Polysaccharides in Ocular Drug Delivery. 2019 , 12,	51
294	Role of CD44 in breast cancer. 2020 , 39, 1-13	28
293	Synthesis and in vitro evaluation of cyclodextrin hyaluronic acid conjugates as a new candidate for intestinal drug carrier for steroid hormones. 2020 , 143, 105181	6
292	Aqueous-Phase Synthesis of Hyaluronic Acid-Based Hydrogel Nanoparticles for Molecular Storage and Enzymatic Release. 2020 , 2, 342-350	2
291	Non-transdermal microneedles for advanced drug delivery. 2020 , 165-166, 41-59	46
290	Fabrication and characterization of cobalt hyaluronic acid nanostructure via gamma irradiation for improving biomedical applications. 2020 , 147, 1328-1342	3
289	Carbohydrate Immune Adjuvants in Subunit Vaccines. 2020 , 12,	13
288	Three-Dimensional Culture System of Cancer Cells Combined with Biomaterials for Drug Screening. 2020 , 12,	50
287	The phenotype of gingival fibroblasts and their potential use in advanced therapies. 2020 , 99, 151123	4
286	The chemical properties and hygroscopic activity of the exopolysaccharide lubcan from <i>Paenibacillus</i> sp. ZX1905. 2020 , 164, 2641-2650	9

285	Early Outcome of a Single Peri-Tendinous Hyaluronic Acid Injection for Mid-Portion Non-Insertional Achilles Tendinopathy - A Pilot Study. 2021 , 49, 101738	2
284	A structurally precise AgAu nanocluster based cancer theranostic platform with tri-targeting/O-generation/aggregation enhanced fluorescence imaging/photothermal-photodynamic therapies. 2020 , 56, 9842-9845	5
283	Enhancement of wound healing by chitosan/hyaluronan polyelectrolyte membrane loaded with glutathione: in vitro and in vivo evaluations. 2020 , 310, 103-113	36
282	Biomaterials preparation by electrospinning of gelatin and sodium hyaluronate/gelatin nanofibers with non-toxic solvents. 2020 , 104, 158-168	2
281	Biomedical Implants for Regenerative Therapies. 2020 ,	2
280	The co-deposition coating of collagen IV and laminin on hyaluronic acid pattern for better biocompatibility on cardiovascular biomaterials. 2020 , 196, 111307	4
279	Functional Applications of Polyarginine-Hyaluronic Acid-Based Electrostatic Complexes. 2020 , 2, 158-166	0
278	Advancements in the Delivery of Growth Factors and Cytokines for the Treatment of Cutaneous Wound Indications. 2021 , 10, 596-622	4
277	Engineered biomaterial strategies for controlling growth factors in tissue engineering. 2020 , 27, 1438-1451	7
276	Welan gum promoted the growth of rice seedlings by enhancing carbon and nitrogen assimilation. 2020 , 498, 108181	1
275	Structural analyses and engineering of the pmHAS enzyme to improve its functional performance: An in silico study. 2020 , 39, 354-373	1
274	Evaluation of Hyaluronic Acid/Agarose Hydrogel for Cartilage Tissue Engineering Biomaterial. 2020 , 28, 979-985	7
273	Characterization of testicular histology and spermatogenesis in the Levantine frog, Pelophylax bedriagae (Amphibia: Anura: Ranidae). 2020 , 56, 19	1
272	PCL/HA Hybrid Microspheres for Effective Osteogenic Differentiation and Bone Regeneration. 2020 , 6, 5172-5180	12
271	Hyaluronic Acid: The Influence of Molecular Weight on Structural, Physical, Physico-Chemical, and Degradable Properties of Biopolymer. 2020 , 12,	65
270	Novel Approaches for the Treatment of Pulmonary Tuberculosis. 2020 , 12,	10
269	Chemically Modified Biopolymers for the Formation of Biomedical Hydrogels. 2021 , 121, 10908-10949	52
268	Marine-Derived Polymeric Materials and Biomimetics: An Overview. 2020 , 12,	24

267	Protein Extracts Promote In Vitro Collagen and Hyaluronic Acid Production by Human Dermal Fibroblasts. 2020 , 25,	2
266	The Role of Hyaluronan Treatment in Intestinal Innate Host Defense. 2020 , 11, 569	6
265	Improvement of mechanical properties of orodispersible hyaluronic acid film by carboxymethyl cellulose addition. 2020 , 29, 1233-1239	6
264	Hyaluronic acid binding to CD44S is indiscriminate of molecular weight. 2020 , 1862, 183348	6
263	Polymeric Systems for Bioprinting. 2020 , 120, 10744-10792	68
262	Advances in Photoreactive Tissue Adhesives Derived from Natural Polymers. 2020 , 4, 32	5
261	Hyaluronic Acid and Controlled Release: A Review. 2020 , 25,	62
260	Vitreous and Vision Degrading Myodesopsia. 2020 , 79, 100847	17
259	Pre-culture of mesenchymal stem cells within RGD-modified hyaluronic acid hydrogel improves their resilience to ischaemic conditions. 2020 , 107, 78-90	12
258	Naturally occurring biological macromolecules-based hydrogels: Potential biomaterials for peripheral nerve regeneration. 2020 , 154, 795-817	41
257	Multiple drug delivery from the drug-implants-laden silicone contact lens: Addressing the issue of burst drug release. 2020 , 112, 110885	41
256	Efficacy Comparison of Hyaluronic Acid and Corticosteroid Injection in Treatment of Trigger Digits: A Randomized Controlled Trial. 2020 , 25, 76-81	5
255	Effect of Hyaluronic Acid Filler Injection on the Interdental Papilla in a Mouse Model of Open Gingival Embrasure. 2020 , 17,	1
254	A facile fabrication of dissolving microneedles containing 5-aminolevulinic acid. 2020 , 586, 119554	8
253	Intermediate layer contribution in placental membrane allografts. 2020 , 14, 1126-1135	4
252	A randomized double-blind clinical trial to evaluate the efficacy of chlorhexidine, antioxidant, and hyaluronic acid mouthwashes in the management of biofilm-induced gingivitis. 2020 , 18, 268-277	3
251	Preparation and biological evaluation of a novel agarose-grafting-hyaluronan scaffold for accelerated wound regeneration. 2020 , 15, 045009	4
250	Effect of functional lateral shift of the mandible on hyaluronic acid metabolism related to lubrication of temporomandibular joint in growing rats. 2020 ,	1

- 249 Polymer microcapsules and microbeads as cell carriers for in vivo biomedical applications. **2020**, 8, 1536-1574 28
- 248 3D printing of hydrogels: Rational design strategies and emerging biomedical applications. **2020**, 140, 100543 241
- 247 Impact of refractive index increment on the determination of molecular weight of hyaluronic acid by multi-angle laser light-scattering technique. **2020**, 10, 1858 6
- 246 Synthesis of hyaluronic acid hydrogels by crosslinking the mixture of high-molecular-weight hyaluronic acid and low-molecular-weight hyaluronic acid with 1,4-butanediol diglycidyl ether.. **2020**, 10, 7206-7213 23
- 245 Hyaluronic Acid-Cellulose Composites as Patches for Minimizing Bacterial Infections. **2020**, 5, 4125-4132 10
- 244 Chemical, enzymatic and biological synthesis of hyaluronic acids. **2020**, 152, 199-206 21
- 243 Hyaluronan-Metal Gold Nanoparticle Hybrids for Targeted Tumor Cell Therapy. **2020**, 21, 11
- 242 Bioassay-Guided Isolation, Metabolic Profiling, and Docking Studies of Hyaluronidase Inhibitors from. **2020**, 25, 4
- 241 Versatile hyaluronic acid nanoparticles for improved drug delivery. **2020**, 1-18
- 240 Fabrication and in vitro evaluation of 3D composite scaffold based on collagen/hyaluronic acid sponge and electrospun polycaprolactone nanofibers for peripheral nerve regeneration. **2021**, 109, 300-312 22
- 239 Perspectives of microbial hyaluronic acid utilization in wound healing. **2021**, 227-250 1
- 238 A covalently cross-linked hyaluronic acid/bacterial cellulose composite hydrogel for potential biological applications. **2021**, 252, 117123 15
- 237 Coaxial and emulsion electrospinning of extracted hyaluronic acid and keratin based nanofibers for wound healing applications. **2021**, 142, 110158 21
- 236 Hyaluronan/Collagen Hydrogels with Sulfated Glycosaminoglycans Maintain VEGF Activity and Fine-Tune Endothelial Cell Response.. **2021**, 4, 494-506 5
- 235 Wet-spun bi-component alginate based hydrogel fibers: Development and in-vitro evaluation as a potential moist wound care dressing. **2021**, 168, 601-610 13
- 234 HA particles as resourceful cancer, steroidal and antibiotic drug delivery device with sustainable and multiple drug release capability. **2021**, 58, 145-155 5
- 233 Nanodiagnostics and Nanotherapeutics for age-related macular degeneration. **2021**, 329, 1262-1282 7
- 232 Current hip cartilage regeneration/repair modalities: a scoping review of biologics and surgery. **2021**, 45, 319-333 7

231	Isolation and Purification of Microbial Exopolysaccharides and Their Industrial Application. 2021 , 69-86	0
230	Preparation and properties of Puc-loaded HA-ADH-PS nanomicelles. 2021 , 24, 1-12	0
229	Biological Conjugates: Potential Role in Biomedical and Pharmaceutical Applications. 2021 , 359-390	
228	Hyaluronic acid-based hydrogels to study cancer cell behaviors. 2021 , 9, 6103-6115	7
227	Phenolic-enabled nanotechnology: versatile particle engineering for biomedicine. 2021 , 50, 4432-4483	58
226	Understanding nanoparticle endocytosis to improve targeting strategies in nanomedicine. 2021 , 50, 5397-5434	89
225	Fluorescent nanodiamond - hyaluronate conjugates for target-specific molecular imaging. 2021 , 11, 23073-23081	
224	Elasticity, Strength, and Biocompatibility of Hydrogels. 2021 , 213-229	
223	Next-Generation Vaccines: Nanoparticle-Mediated DNA and mRNA Delivery. 2021 , 10, e2001812	47
222	Natural polysaccharides: Types, basic structure and suitability for forming hydrogels. 2021 , 1-35	1
221	Hyaluronic acid-magnetic nanocomposites for gene delivery. 2021 , 311-323	0
220	Hyaluronic Acid and Regenerative Medicine: New Insights into the Stroke Therapy. 2020 , 20, 675-691	1
219	Surface Properties of Polysaccharides. 2021 , 1-26	
218	CD44 Targeted Nanomaterials for Treatment of Triple-Negative Breast Cancer. 2021 , 13,	4
217	Treatment of Achilles Tendinopathy in Recreational Runners with Peritendinous Hyaluronic Acid Injections: A Viscoelastometric, Functional, and Biochemical Pilot Study. 2021 , 10,	3
216	Bacterial exopolysaccharides: Chemical structures, gene clusters and genetic engineering. 2021 , 173, 481-490	8
215	Single-Cell Microgels for Diagnostics and Therapeutics. 2021 , 31, 2009946	4
214	Comparative Analysis of Hyaluronidase-Mediated Degradation Among Seven Hyaluronic Acid Fillers in Hairless Mice. 2021 , 14, 241-248	3

213	Topical application of HA-g-TEMPO accelerates the acute wound healing via reducing reactive oxygen species (ROS) and promoting angiogenesis. 2021 , 597, 120328	6
212	Supramolecular Structuring of Hyaluronan-Lactose-Modified Chitosan Matrix: Towards High-Performance Biopolymers with Excellent Biodegradation. 2021 , 11,	9
211	Recent advances in nanomaterials for therapy and diagnosis for atherosclerosis. 2021 , 170, 142-199	24
210	Nano Technological Approaches for Anti-tumour Therapy: Opportunities and Challenges. 2021 , 11, 1-13	
209	Pelvic Radiation Therapy Induced Vaginal Stenosis: A Review of Current Modalities and Recent Treatment Advances. 2021 , 57,	2
208	May Autogenous Grafts Increase the Effectiveness of Hyaluronect Membranes in Intraosseous Defects: An Experimental In Vivo Study. 2021 , 57,	0
207	Applications of Hyaluronic Acid in Ophthalmology and Contact Lenses. 2021 , 26,	18
206	Recent update of toxicity aspects of nanoparticulate systems for drug delivery. 2021 , 161, 100-119	29
205	Preparation, Mechanical and Biological Properties of Inkjet Printed Alginate/Gelatin Hydrogel. 2021 , 18, 574-583	3
204	Formulation, Optimization, and In-Vitro Evaluation of Hyaluronic Acid Buccal Films Containing Benzydamine Hydrochloride.	
203	Review: Mesenchymal Stem Cell Therapy in Canine Osteoarthritis Research: "Experientia Docet" (Experience Will Teach Us). 2021 , 8, 668881	3
202	Hyaluronic acid-graphene quantum dot nanocomposite: Potential target drug delivery and cancer cell imaging. 2021 ,	6
201	A bioinspired synthetic soft hydrogel for the treatment of dry eye. 2021 , 6, e10227	2
200	Comparison of hyaluronic acid in patients with rheumatoid arthritis, systemic sclerosis and systemic lupus erythematosus. 2021 , 31, 020701	
199	Hyaluronic Acid/Oxidized Carrageenan Electrospun Nanofibers Synthesis and Antibacterial Properties. 2021 , 11, 687-695	2
198	Engineering Polysaccharides for Tissue Repair and Regeneration. 2021 , 21, e2100141	3
197	Structural insights into the modulation of PDGF/PDGFR- α complexation by hyaluronan derivatives. 2021 , 402, 1441-1452	2
196	Versatile strategies for bioproduction of hyaluronic acid driven by synthetic biology. 2021 , 264, 118015	5

195	Bacterial Extracellular Polymers: A Review. 2021 , 15, 1072-1082	
194	The pro-inflammatory and anti-inflammatory role of hyaluronic acid in endometriosis. 2021 , 60, 711-717	1
193	The Whimsical History of Proposed Motors for Diatom Motility. 2021 , 335-420	2
192	Macroporous scaffold surface modified with biological macromolecules and piroxicam-loaded gelatin nanofibers toward meniscus cartilage repair. 2021 , 183, 1327-1345	7
191	Hyaluronic Acid Is an Effective Dermal Filler for Lip Augmentation: A Meta-Analysis. 2021 , 8, 681028	1
190	Recent advances and prospects of hyaluronan as a multifunctional therapeutic system. 2021 , 336, 598-620	16
189	Hyaluronic-Acid-Based Organic-Inorganic Composites for Biomedical Applications. 2021 , 14,	2
188	Enhancement of phenolics content and biological activities of longan (<i>Dimocarpus longan</i> Lour.) treated with thermal and ageing process. 2021 , 11, 15977	2
187	Serum Biomarkers for Noninvasive Diagnosis of Liver Diseases: How Laudable are These Tools?. 2021 , 15, 128-138	
186	Effects of Hinokitiol and Dicalcium Phosphate on the Osteoconduction and Antibacterial Activity of Gelatin-Hyaluronic Acid Crosslinked Hydrogel Membrane In Vitro. 2021 , 14,	3
185	Endothelial integration of mechanosensory signals by the spectrin cytoskeleton.	0
184	Heterologous production of hyaluronic acid in <i>Nicotiana tabacum</i> hairy roots expressing a human hyaluronan synthase 2. 2021 , 11, 17966	2
183	3D Printing of Collagen/Oligomeric Proanthocyanidin/Oxidized Hyaluronic Acid Composite Scaffolds for Articular Cartilage Repair. 2021 , 13,	4
182	Comparative Physicochemical Analysis among 1,4-Butanediol Diglycidyl Ether Cross-Linked Hyaluronic Acid Dermal Fillers. 2021 , 7,	2
181	Characterization of albumin and hyaluronan-albumin mixed hydrogels. 1	0
180	Hyaluronic acid based microneedle array: Recent applications in drug delivery and cosmetology. 2021 , 267, 118168	13
179	Hyaluronic Acid-Glycine-Cholesterol Conjugate-Based Nanoemulsion as a Potent Vaccine Adjuvant for T Cell-Mediated Immunity. 2021 , 13,	2
178	3D printable self-healing hyaluronic acid/chitosan polycomplex hydrogels with drug release capability. 2021 , 188, 820-832	4

177	Current advances in the biosynthesis of hyaluronic acid with variable molecular weights. 2021 , 269, 118320	6
176	Prognostic significance of preoperative hyaluronic acid level in patients with hepatocellular carcinoma. 2021 ,	0
175	Collagen- and hyaluronic acid-based hydrogels and their biomedical applications. 2021 , 146,	9
174	Panorama of dissolving microneedles for transdermal drug delivery. 2021 , 284, 119877	8
173	Polyelectrolyte complexes of hyaluronic acid and diethylaminoethyl dextran: Formation, stability and hydrophobicity. 2021 , 629, 127485	2
172	Applications of halloysite in tissue engineering. 2021 , 214, 106291	6
171	Polymeric Tissue Adhesives. 2021 , 121, 11336-11384	71
170	In Vitro Anti-Wrinkle and Skin-Moisturizing Effects of Evening Primrose (<i>Oenothera biennis</i>) Sprout and Identification of Its Active Components. 2021 , 9, 145	7
169	Mammal hyaluronidase activity on chondroitin sulfate and dermatan sulfate: Mass spectrometry analysis of oligosaccharide products. 2021 , 31, 751-761	3
168	3D printing of functional microrobots. 2021 , 50, 2794-2838	73
167	Lysine-arginine advanced glycation end-product cross-links and the effect on collagen structure: A molecular dynamics study. 2021 , 89, 521-530	3
166	Conformation, flexibility and hydration of hyaluronic acid by molecular dynamics simulations. 2020 , 493, 108026	3
165	Preclinical challenges for developing long acting intravitreal medicines. 2020 , 153, 130-149	9
164	Sesaminol diglucoside isolated from black sesame seed cake and its antioxidant, anti-collagenase and anti-hyaluronidase activities. 2020 , 36, 100628	11
163	Porcine circovirus 2 uses a multitude of weak binding sites to interact with heparan sulfate, and the interactions do not follow the symmetry of the capsid.	1
162	Application of hyaluronic acid in the healing of non-experimental open wounds: A pilot study on 12 wounds in 10 client-owned dogs. 2015 , 8, 1247-59	7
161	Moisturizing Effect of Jellyfish Collagen Extract. 2016 , 42, 153-162	4
160	The Moisturizing Effect of the Co-Administration of Hyaluronic Acid Micro Fill Patch and <i>Scutellariae Radix</i> Ethanol Extract on Human Skin. 2017 , 13, 21-25	1

159	Adhesive Catechol-Conjugated Hyaluronic Acid for Biomedical Applications: A Mini Review. 2021 , 11, 21	7
158	Low Molecular Weight Hyaluronic Acid Effect on Dental Pulp Stem Cells In Vitro. 2020 , 11,	3
157	Glycosaminoglycans in Tissue Engineering: A Review. 2020 , 11,	30
156	Hyaluronic Acid: Ray of Hope for Esthetically Challenging Black Triangles: A Case Series. 2020 , 11, 280-284	2
155	A mechanistic model and therapeutic interventions for COVID-19 involving a RAS-mediated bradykinin storm. 2020 , 9,	203
154	Hyaluronic Acid: A Key Ingredient in the Therapy of Inflammation. 2021 , 11,	10
153	Nanofibrous material from hyaluronan derivatives preserving fibrous structure in aqueous environment. 2022 , 276, 118785	
152	Hyaluronic Acid-Functionalized Hybrid Gelatin-Poly-L-Lactide Scaffolds with Tunable Hydrophilicity. 2021 , 27, 589-604	0
151	Modified Polysaccharides as Drug Delivery. 2014 , 1-26	1
150	An Experimental Study on the Effect of Angelica acutiloba Ethanol Extract on Hyaluronic Acid Synthesis. 2015 , 28, 32-40	4
149	High-Molecular Weight Biopolymer. 2015 , 19-43	
148	Effects of Molecular Weights of Sodium Hyaluronate on the Collagen Synthesis, Anti-inflammation and Transdermal Absorption. 2016 , 42, 235-245	1
147	Evaluate the effect of hyaluronic acid on bone healing: review. 2017 , 9, 127-133	
146	Treatment of Interdental Papillary Deficiency Using Different Concentrations of Hyaluronic Acid: A Pilot Study. 2018 , 10, 25-28	
145	In Vitro Evaluation of Biological Activities of Jeju Island Plants Mixture. 2018 , 14, 39-45	
144	A Change in Sebum, Moisture and Satisfaction According to Hyaluronic Acid Content. 2018 , 42, 73-86	0
143	Carbohydrates in Regenerative Medicine: From Scaffolds to Cell Fate Modulators. 2019 , 129-149	
142	CLINICAL ESTIMATION OF EFFICIENCY OF COMPLEX TREATMENT OF PATIENTS WITH CHRONIC CATARRHAL GINGIVITIS WITH THE USE OF INJECTION GEL OF HYALURONIC ACID. 2019 , 15, 38-43	1

- 141 New Possibilities of Tear Replacement Therapy in Patients with Dry Eye Syndrome of Various Origins. **2019**, 16, 244-251 1
- 140 Correlates of non-random patterns of capsule switching in pneumococcus.
- 139 Role of hyaluronic acid in the prevention and treatment of radiation-induced oropharyngeal mucositis. **2019**, 9, 29-37
- 138 Peculiarities of Treatment for Patients with Dry Eye Syndrome, Including Those with Epitheliopathy. **2019**, 16, 529-536 1
- 137 The separation of microscale HA in aqueous solution by foam separation technique. **2019**, 21, 66-71
- 136 Hyaluronik asit ve gama radyasyonlu mineralize allogreftlerin s̄n tibial defektlerinin iyileşesi üzerine etkileri. **2020**, 45, 526-532
- 135 Effect of sodium chloride on formation and structure of whey protein isolate/hyaluronic acid complex and its ability to loading curcumin. **2021**, 632, 127828 1
- 134 Advances in Polysaccharide-Based Antimicrobial Delivery Vehicles. **2020**, 267-295
- 133 Retinal and Lens Degeneration in New Zealand White Rabbits Administered Intravitreal TSG-6 Link Domain-Rabbit FAb Fusion Proteins. **2021**, 49, 634-646 0
- 132 Marine-Derived Biologically Active Compounds for the Potential Treatment of Rheumatoid Arthritis. **2020**, 19, 1 1
- 131 A rhabdomyosarcoma hydrogel model to unveil cell-extracellular matrix interactions. **2021**, 1 1
- 130 Collagen-based biocomposites inspired by bone hierarchical structures for advanced bone regeneration: ongoing research and perspectives. **2021**, 5 5
- 129 Effect of the Combination Treatment of Injection to Scar and Intercostal Nerve Block for Patients with Post-Zoster Neuralgia on the Trunk. **2019**, 5, 12-16
- 128 Selecting Sperm with Hyaluronic Acid: Evidence Base for Efficacy and Practical Applications. **2020**, 803-810
- 127 Algebraic Polynomial Based Topological Properties of Anti-Tumor Drug; Hyaluronic Acid-Doxorubicin (HAD). 1-22 2
- 126 Physical and Chemical Properties and Quality Control Methods of Hyaluronic Acid (Review). **2020**, 9, 136-140 0
- 125 Enhanced wound healing in diabetic mice by hyaluronan/chitosan multilayer-coated PLLA nanofibrous mats with sustained release of insulin. **2022**, 576, 151825 2
- 124 Strategies Using Gelatin Microparticles for Regenerative Therapy and Drug Screening Applications. **2021**, 26, 5 5

123	Hyaluronic Acid Derived Hypoxia-Sensitive Nanocarrier for Tumor Targeted Drug Delivery.. 2021 , 4, 8325-8332	3
122	Effects of emulsion, dispersion, and blend electrospinning on hyaluronic acid nanofibers with incorporated antiseptics. 2021 , 194, 726-726	0
121	Overview of methods in Oil spill technology. 2021 , 2070, 012053	0
120	Nutraceutical Approach to Chronic Osteoarthritis: From Molecular Research to Clinical Evidence. 2021 , 22,	0
119	Sulfation Pattern Dependent Iron(III) Mediated Interleukin-8 Glycan Binding. 2021 ,	1
118	Analysis of the formation mechanism of polyion complexes of polysaccharides by molecular dynamics simulation with oligosaccharides.	2
117	Progresses and future prospects in biodegradation of marine biopolymers and emerging biopolymer-based materials for sustainable marine ecosystems.	1
116	Multiparametric Material Functionality of Microtissue-Based In Vitro Models as Alternatives to Animal Testing.. 2022 , e2105319	2
115	Design of Turmeric Rhizome Extract Nano-Formula for Delivery to Cancer Cells.. 2022 , 27,	0
114	Surface Property Modification of Collagen, Hyaluronic Acid, and Chitosan Films with the Neodymium Laser. 2022 , 3, 178-187	2
113	Application of induced pluripotent stem cells in tissue engineering. 2022 , 483-505	
112	Polysaccharide-based layer-by-layer nanoarchitectonics with sulfated chitosan for tuning anti-thrombogenic properties.. 2022 , 213, 112359	0
111	Potential of transpapillary route for artesunate-loaded microneedles against breast cancer cell line. 2022 , 640, 128431	1
110	Alginate Core-Shell Capsules for 3D Cultivation of Adipose-Derived Mesenchymal Stem Cells.. 2022 , 9,	0
109	Medical applications of polymer/functionalized nanoparticle composite systems, renewable polymers, and polymer/metal oxide composites. 2022 , 129-164	
108	Surface Properties of Polysaccharides. 2022 , 527-552	
107	Angiogenic Hyaluronic Acid Hydrogels with Curcumin-Coated Magnetic Nanoparticles for Tissue Repair.. 2022 ,	5
106	Construction of Konjac Glucomannan/Oxidized Hyaluronic Acid Hydrogels for Controlled Drug Release.. 2022 , 14,	1

105	The NF- κ B-signalling pathway in mare's endometrium infiltrated with the inflammatory cells.. 2022 ,	
104	Recent studies on modulating hyaluronic acid-based hydrogels for controlled drug delivery. 1	2
103	Optimizing the sensitivity and resolution of hyaluronan analysis with solid-state nanopores.. 2022 , 12, 4469	1
102	Local injection therapy: the use of hyaluronic acid in osteoarthritis and other joint diseases. 2022 , 100-106	
101	Efficacy of hyaluronic acid, absorbable collagen sponge, and their combination in minimizing bisphosphonate-related osteonecrosis of the jaws (BRONJ) after dental extraction: a preliminary animal histomorphometric study.. 2022 , 44, 8	
100	Polysaccharides and Metal Nanoparticles for Functional Textiles: A Review.. 2022 , 12,	4
99	Redox/pH-dual responsive functional hollow silica nanoparticles for hyaluronic acid-guided drug delivery. 2022 , 108, 72-80	1
98	Development of zinc, silver, and hyaluronic acid mediated wet spun alginate fibers for potential wound care applications. 152808372210906	0
97	A Key Role by Polymers in Microneedle Technology: A New Era.. 2022 , 1-49	3
96	Evaluating hyaluronic acid dermal fillers: a critique of current characterization methods.. 2022 , e15453	0
95	Injectable self-crosslinking hydrogels based on hyaluronic acid as vitreous substitutes.. 2022 ,	0
94	Effect of crosslinking strategy on the biological, antibacterial and physicochemical performance of hyaluronic acid and e-polylysine based hydrogels.. 2022 ,	3
93	Metabolism of hyaluronic acid during early development of the Japanese eel, <i>Anguilla japonica</i> .. 2022 , 268, 111203	0
92	The Interactions and Release Kinetics of Sodium Hyaluronate Implemented in Nonionic and Anionic Polymeric Hydrogels, Studied by Immunoenzymatic ELISA Test.. 2021 , 14,	3
91	Hyaluronic Acid-Conjugated Carbon Nanomaterials for Enhanced Tumour Targeting Ability.. 2021 , 27,	4
90	Exopolysaccharide Inhibits Biofilm Formation.. 2021 , 12, 712086	1
89	Low Molecular Weight Hyaluronic Acid (500-730 Kda) Injections in Tendinopathies-A Narrative Review.. 2021 , 7,	2
88	An Overview of Soft Tissue Fillers for Cosmetic Dermatology: From Filling to Regenerative Medicine.. 2021 , 14, 1857-1866	1

87	Effects of hyaluronic acid injections on pain and functioning in patients affected by tendinopathies: A narrative review.. 2022 ,	1
86	Hyaluronic Acid: Known for Almost a Century, but Still in Vogue.. 2022 , 14,	3
85	Examination of Complementary Medicine for Treating Urinary Tract Infections Among Pregnant Women and Children.. 2022 , 13, 883216	2
84	Physics of Brain Cancer: Multiscale Alterations of Glioblastoma Cells under Extracellular Matrix Stiffening. 2022 , 14, 1031	0
83	Injectable Hydrogels as a Stem Cell Delivery Platform for Wound Healing. 2022 , 323-355	
82	Human Identical Sequences, hyaluronan, and hymecromone - the new mechanism and management of COVID-19.. 2022 , 3, 15	0
81	Hyaluronic acid detection and relative quantification by mass spectrometry imaging in human skin tissues.	0
80	Preparation and physical properties of free-standing films made of polyion complexes of carboxymethylated hyaluronic acid and chitosan. 2022 , 253, 125033	1
79	Development of meniscus cartilage using polycaprolactone and decellularized meniscus surface modified by gelatin, hyaluronic acid biomacromolecules: A rabbit model. 2022 , 213, 498-515	0
78	Use of Hyaluronic Acid in Periodontal Disease Treatment: A Systematic Review. 2022 , 23, 355-370	
77	Review of Polymeric Biomimetic Small-Diameter Vascular Grafts to Tackle Intimal Hyperplasia.	2
76	Dissolving microneedles: Applications and growing therapeutic potential. 2022 , 348, 186-205	4
75	Thermoresponsive nanogels based on polyelectrolyte complexes between polycations and functionalized hyaluronic acid. 2022 , 292, 119711	2
74	Research Progress Concerning a Novel Intraocular Lens for the Prevention of Posterior Capsular Opacification. 2022 , 14, 1343	2
73	Effect of hyaluronic acid on mucociliary clearance after septoplasty. 2022 , 72,	
72	Microbial biopolymers in articular cartilage tissue engineering. 2022 , 29,	1
71	Hyaluronic Acid: Its Versatile Use in Ocular Drug Delivery with a Specific Focus on Hyaluronic Acid-Based Polyelectrolyte Complexes. 2022 , 14, 1479	1
70	Mechanistic Modeling of the Effect of Recombinant Human Hyaluronidase (rHuPH20) on Subcutaneous Delivery of Cetuximab in Rats.	

69	Human gelatin-based composite hydrogels for osteochondral tissue engineering and their adaptation into bioinks for extrusion, inkjet, and digital light processing bioprinting. 2022 , 14, 045012	3
68	Revamping an aquatic irritant to fortune-Utilizing jellyfish for the extraction of hyaluronic acid and its characterization.	
67	Hyaluronic Acid: A Review of the Drug Delivery Capabilities of This Naturally Occurring Polysaccharide. 2022 , 14, 3442	6
66	Hydrophobicity Regulates the Cellular Interaction of Cyanine5-Labeled Poly(3-hydroxypropionate)-Based Comb Polymers.	0
65	Hyaluronic acid-based nano drug delivery systems for breast cancer treatment: Recent advances. 10,	2
64	Advanced Electrospun Nanofibrous Stem Cell Niche for Bone Regenerative Engineering.	0
63	Short communication: Photoperiod impacts ovarian extracellular matrix and metabolic gene expression in Siberian hamsters. 2022 , 274, 111302	0
62	Grafted polysaccharides in drug delivery. 2023 , 157-175	0
61	Carboxymethylated polysaccharides in drug delivery. 2023 , 63-81	0
60	Development of hyaluronic acid-based edible film for alleviating dry mouth. 2023 , 12, 371-377	2
59	Aqueous synthesis and self-assembly of bioactive and thermo-responsive HA-b-ELP bioconjugates.	1
58	Absorption, metabolism, and functions of hyaluronic acid and its therapeutic prospects in combination with microorganisms: A review. 2023 , 299, 120153	0
57	Engineering Immunomodulatory Biomaterials to Drive Skin Wounds toward Regenerative Healing. a041242	0
56	Polysaccharide Based Implantable Drug Delivery: Development Strategies, Regulatory Requirements, and Future Perspectives. 2022 , 3, 625-654	1
55	Sustained degradation of hyaluronic acid using an in situ forming implant.	0
54	Impact of Cross-Linked Hyaluronic Acid on Osteogenic Differentiation of SAOS-2 Cells in an Air-Lift Model. 2022 , 15, 6528	0
53	The most promising microneedle device: present and future of hyaluronic acid microneedle patch. 2022 , 29, 3087-3110	0
52	The Effects of Aging on the Intramuscular Connective Tissue. 2022 , 23, 11061	3

51	Design, fabrication and evaluation of amphiphilic hyaluronic acid conjugates as efficient carriers of 6-thioguanine for in vitro anticancer drug delivery applications.	0
50	Surface modified genistein phytosome for breast cancer treatment: In-vitro appraisal, pharmacokinetics, and in-vivo antitumor efficacy. 2022 , 179, 106297	1
49	Application of hyaluronic acid in tissue engineering, regenerative medicine, and nanomedicine: A review. 2022 ,	0
48	Carbohydrate Polymer-Based Targeted Pharmaceutical Formulations for Colorectal Cancer: Systematic Review of the Literature. 2022 , 3, 692-714	0
47	Colloidal Polyelectrolyte Complexes from Hyaluronic Acid: Preparation and Biomedical Applications. 2204283	1
46	Comparison of the Efficacy of HYAFF11 Mesh with Collagen Membranes in Guided Bone Regeneration. 2022 , 12, 2293-2299	0
45	Nanocomplex of quaternized cyclodextrin grafted chitosan and hyaluronic acid for a skin delivery. 2022 , 220, 112920	0
44	Emerging materials for hemostasis. 2023 , 475, 214823	0
43	Intraperitoneally administered native and lauroyl-modified hyaluronan films: Pharmacokinetic and metabolism studies. 2023 , 299, 120201	0
42	ANTIAGE-DB: A Database and Server for the Prediction of Anti-Aging Compounds Targeting Elastase, Hyaluronidase, and Tyrosinase. 2022 , 11, 2268	1
41	Chemical characterization and microencapsulation of extracellular fungal pigments.	1
40	Microneedle arrays for cutaneous and transcutaneous drug delivery, disease diagnosis, and cosmetic aid. 2023 , 79, 104058	1
39	Synergistic hydration lubrication of polyurethane meniscus based on zwitterionic structures and hyaluronic acid. 2023 , 179, 108167	0
38	Molecular weight-dependent hyaluronic acid permeability and tight junction modulation in human buccal TR146 cell monolayers. 2023 , 227, 182-192	0
37	Single-molecule AFM study of hyaluronic acid softening in electrolyte solutions. 2023 , 303, 120472	0
36	The optimal dosage of hyaluronic acid for bone regeneration in rat calvarial defects. 52,	0
35	The Alterations and Roles of Glycosaminoglycans in Human Diseases. 2022 , 14, 5014	0
34	The Superiority of Bacillus megaterium over Escherichia coli as a Recombinant Bacterial Host for Hyaluronic Acid Production. 2022 , 10, 2347	0

33	Anti-Biofilm Activity of a Hyaluronan-like Exopolysaccharide from the Marine <i>Vibrio</i> MO245 against Pathogenic Bacteria. 2022 , 20, 728	1
32	Comparative proteomics analysis of transforming growth factor-beta1-overexpressed human dental pulp stem cell-derived secretome on CD44-mediated fibroblast activation via canonical smad signal pathway. 1-14	0
31	LIP FILLER WITH HYALURONIC ACID. 2022 , 2, 173-196	0
30	Natural Coatings and Surface Modifications on Magnesium Alloys for Biomedical Applications. 2022 , 14, 5297	1
29	Hyaluronic Acid as a Modern Approach in Anticancer Therapy-Review. 2023 , 24, 103	3
28	Stings on wings: Proteotranscriptomic and biochemical profiling of the lesser banded hornet (<i>Vespa affinis</i>) venom. 9,	0
27	Fresh 3D Printing of Double Crosslinked Hyaluronic Acid/Pectin Hydrogels. 2022 , 406, 2200050	0
26	Hyaluronic acid-based nanofibers: Electrospun synthesis and their medical applications; recent developments and future perspective. 10,	0
25	<i>Commiphora wildii</i> Merxm. Essential Oil: Natural Heptane Source and Co-Product Valorization. 2023 , 28, 891	0
24	In silico insights into procathepsin S maturation mediated by glycosaminoglycans. 2023 , 108406	0
23	Elucidation of Structure-Function Relationships of Hyaluronic Acid-Based Polymers via Combinatorial Approaches.	0
22	Enhancing Intradermal Delivery of Lidocaine by Dissolving Microneedles: Comparison between Hyaluronic Acid and Poly(Vinyl Pyrrolidone) Backbone Polymers. 2023 , 15, 289	1
21	An emerging flavone glycoside from <i>Phyllanthus emblica</i> L.: As promiscuous enzyme inhibitor and potential therapeutic in chronic diseases. 2023 , 153, 290-296	0
20	Investigation of macromolecular transport through tunable collagen hyaluronic acid matrices. 2023 , 222, 113123	0
19	Anti-wrinkle and Moisturizing Activity of <i>Echinacea angustifolia</i> Extract as a Cosmetic ingredient. 2022 , 20, 531-540	0
18	Novel Crosslinked HA Hydrogel Films for the Immediate Release of Active Ingredients. 2023 , 10, 6	0
17	Marine polymers and their antioxidative perspective. 2023 , 379-393	0
16	The Complex Bridge between Aquatic and Terrestrial Life: Skin Changes during Development of Amphibians. 2023 , 11, 6	0

- 15 Hyaluronan and Chondroitin Sulphate-Based Drug Delivery Systems. **2023**, 245-258
- 14 Current advancements in bio-ink technology for cartilage and bone tissue engineering. **2023**, 171, 116746
- 13 Modification of hyaluronic acid to enable click chemistry photo-crosslinking of hydrogels with tailorable degradation profiles. **2023**, 240, 124459
- 12 Glioblastoma Spheroid Invasion through Soft, Brain-Like Matrices Depends on Hyaluronic Acid α D44 Interactions. 2203143
- 11 Advances in Polysaccharide- and Synthetic Polymer-Based Vitreous Substitutes. **2023**, 15, 566
- 10 Biopolymer-Based Interpenetrating Polymer Networks. **2022**, 1-33
- 9 Microbial Hyaluronic Acid Production: A Review. **2023**, 28, 2084
- 8 Ultrasound-Assisted Extraction of Isoquercetin from *Ephedra alata* (Decne): Optimization Using Response Surface Methodology and In Vitro Bioactivities. **2023**, 12, 725
- 7 Synthesis and characterization of Gd³⁺-loaded hyaluronic acid-polydopamine nanoparticles as a dual contrast agent for CT and MRI scans. **2023**, 13,
- 6 Hyaluronic Acid-Based Bioconjugate Systems, Scaffolds, and Their Therapeutic Potential.
- 5 Biocompatible Macroion/Growth Factor Assemblies for Medical Applications. **2023**, 13, 609
- 4 Yeast surface display of leech hyaluronidase for the industrial production of hyaluronic acid oligosaccharides. **2023**, 100086
- 3 The Extracellular Matrix: Its Composition, Function, Remodeling, and Role in Tumorigenesis. **2023**, 8, 146
- 2 Ultrasound-responsive hyaluronic acid hydrogel of hydrocortisone to treat osteoarthritis. **2023**, 240, 124449
- 1 Unsaturated Fatty Acids Complex Regulates Inflammatory Cytokine Production through the Hyaluronic Acid Pathway. **2023**, 28, 3554