first_author	year	co_authors	title	link	doi	pubpeer_link
M.H. El-Rafie	2012	Th.I. Shaheen, A.A. Mohamed, A. Hebeish	Bio-synthesis and applications of silver nanoparticles onto cotton fabrics	https://www.sciencedirect.com/science/article/abs/pii/S0144861712005802	10.1016/j.carbpol.2012.06.020	https://pubpeer.com/publications/BBCB03A538537EBB96352200436077
Weiwei Lou	2012	Hualin Zhang, Jianfeng Ma, Dafeng Zhang, Chuantong Liu, Siqian Wang, Zhennan Deng, Haihong Xu, Jinsong Liu	In vivo evaluation of in situ polysaccharide based hydrogel for prevention of postoperative adhesion	https://www.sciencedirect.com/science/article/pii/S0144861712005978	10.1016/j.carbpol.2012.06.037	https://pubpeer.com/publications/FF72F9C654CFD0E685254C6C2F74CB
Mehrez E. El-Naggar	2016	Tharwat I. Shaheen, Moustafa M.G. Fouda, Ali A. Hebeish	Eco-friendly microwave-assisted green and rapid synthesis of well-stabilized gold and core–shell silver–gold nanoparticles	https://www.sciencedirect.com/science/article/abs/pii/S0144861715009820	10.1016/j.carbpol.2015.10.003	https://pubpeer.com/publications/199CE60B21C93706F6D5D9B5DAC772
Ji Sun Park	2016	Se Won Yi, Hye Jin Kim, Keun-Hong Park	Receptor-mediated gene delivery into human mesenchymal stem cells using hyaluronic acid-shielded polyethylenimine/pDNA nanogels	https://www.sciencedirect.com/science/article/pii/S0144861715009091	10.1016/j.carbpol.2015.09.053	https://pubpeer.com/publications/BF9F754032A345B295A33F3E839EE7
Yaoyao Yang	2019	Wenbing Li, Deng-Guang Yu, Guanhua Wang, Gareth R. Williams, Zhu Zhang	Tunable drug release from nanofibers coated with blank cellulose acetate T layers fabricated using tri-axial electrospinning	https://www.sciencedirect.com/science/article/pii/S0144861718311354	10.1016/j.carbpol.2018.09.061	https://pubpeer.com/publications/3754007BB69B451D89A6D3EAA96B6E
Chunggoo Kim	2019	Hwi Kim, Honghyun Park, Kuen Yong Lee	Controlling the porous structure of alginate ferrogel for anticancer drug delivery under magnetic stimulation	https://www.sciencedirect.com/science/article/pii/S014486171930712X	10.1016/j.carbpol.2019.115045	https://pubpeer.com/publications/BA27BCC1604D45A564045AB4855F36
G. Gutiérrez	2020	D. Morán, A. Marefati, J. Purhagen, M. Rayner, M. Matos	Synthesis of controlled size starch nanoparticles (SNPs)	https://www.sciencedirect.com/science/article/pii/S0144861720311115	10.1016/j.carbpol.2020.116938	https://pubpeer.com/publications/71437E731F753E4BCF492B61E3A0F2
Zehui Ju	2020	Tianyi Zhan, Haiyang Zhang, Qian He, Man Yuan, Xiaoning Lu	Preparation of functional bamboo by combining nano-copper with hemicellulose and lignin under high voltage electric field (HVEF)	https://www.sciencedirect.com/science/article/pii/S0144861720311097	10.1016/j.carbpol.2020.116936	https://pubpeer.com/publications/30B5037446114F6726CFA58B41D5BC
Zhiwen Jiang	2020	Shuning Wang, Jun Hou, Jinhua Chi, Shuo Wang, Kai Shao, Wanshun Liu, Rongju Sun, Baoqin Han	Effects of carboxymethyl chitosan oligosaccharide on regulating immunologic function and inhibiting tumor growth	https://www.sciencedirect.com/science/article/pii/S014486172031167X	10.1016/j.carbpol.2020.116994	https://pubpeer.com/publications/7A9AF58C5EE064BE5EE90E9C0DA3AB
Chen Xu	2020	Jungang Jiang, Hale Oguzlu, Yi Zheng, Feng Jiang	Antifouling, antibacterial and non-cytotoxic transparent cellulose membrane with grafted zwitterion and quaternary ammonium copolymers	https://www.sciencedirect.com/science/article/pii/S0144861720311334	10.1016/j.carbpol.2020.116960	https://pubpeer.com/publications/2F36D88263B15DEA87BC05CC4138A8
Kishwor Poudel	2020	Asmita Banstol, Tuan Hiep Tran, Raj Kumar Thapa, Milan Gautam, Wenquan Ou, Le Minh Pham, Srijan Maharjan, Jee-Heon Jeong, Sae Kwang Ku, Han-Gon Choi, Chul Soon Yong, Jong Oh Kim	Hyaluronic acid wreathed, trio-stimuli receptive and on-demand triggerable nanoconstruct for anchored combinatorial cancer therapy	https://www.sciencedirect.com/science/article/pii/S0144861720309887	10.1016/j.carbpol.2020.116815	https://pubpeer.com/publications/BA8BB0D11EE1305AF41A91793D3730
Li Wang	2020	Sanming Hu, Muhammad Wajid Ullah, Xiaohong Li, Zhijun Shi, Guang Yang	Enhanced cell proliferation by electrical stimulation based on electroactive regenerated bacterial cellulose hydrogels	https://www.sciencedirect.com/science/article/pii/S014486172031002X	10.1016/j.carbpol.2020.116829	https://pubpeer.com/publications/CE26B3288553D9D3A4F9A9022C1C71
Faith Bernadette A. Desca	2020	Shingo Matsukawa	Change of network structure in agarose gels by aging during storage studied T by NMR and electrophoresis	https://www.sciencedirect.com/science/article/pii/S0144861720306718	10.1016/j.carbpol.2020.116497	https://pubpeer.com/publications/F7E60303BC5524EFB5CABFA06B616A
Xiao Ding	2020	Wenjie Yu, Yunfeng Wan, Mingyue Yang, Chenghuan Hua, Na Peng, Yi Liu	A pH/ROS-responsive, tumor-targeted drug delivery system based on T carboxymethyl chitin gated hollow mesoporous silica nanoparticles for anti- tumor chemotherapy	https://www.sciencedirect.com/science/article/pii/S0144861720306676	10.1016/j.carbpol.2020.116493	https://pubpeer.com/publications/E297FB196E230A4C0D1E05D1D2D95A
Yan Yan	2020	Ying Sun, Pengchong Wang, Rui Zhang, Chuanchuan Huo, Tingting Gao, Chenghua Song, Jianfeng Xing, Yalin Dong	Mucoadhesive nanoparticles-based oral drug delivery systems enhance T ameliorative effects of low molecular weight heparin on experimental colitis	https://www.sciencedirect.com/science/article/pii/S0144861720308341	10.1016/j.carbpol.2020.116660	https://pubpeer.com/publications/5494F276C0A43D3F00448BFDD6E069
Yalan Zhang	2020	Yingnan Liu, Zhirong Guo, Fan Li, Hui Zhang, Feier Bai, Li Wang	Chitosan-based bifunctional composite aerogel combining absorption and T phototherapy for bacteria elimination	https://www.sciencedirect.com/science/article/pii/S0144861720309127	10.1016/j.carbpol.2020.116739	https://pubpeer.com/publications/1879A02160ED3DB2CE118E16C240CE
Guijuan Han	2020	Zexiang Zheng, Zhicheng Pan, Yucheng Lin, Shuchun Gan, Yanpeng Jiao, Hong Li, Changren Zhou, Shan Ding, Lihua Li	Sulfated chitosan coated polylactide membrane enhanced osteogenic and vascularization differentiation in MC3T3-E1s and HUVECs co-cultures system	https://www.sciencedirect.com/science/article/pii/S0144861720306962	10.1016/j.carbpol.2020.116522	https://pubpeer.com/publications/D5A609450A6F63D001C2415C97C4CB
Manik Chandra Biswasa	2020	Bailey Bush, Ericka Ford	Glucaric acid additives for the antiplasticization of fibers wet spun from T cellulose acetate/acetic acid/water	https://www.sciencedirect.com/science/article/pii/S0144861720306846	10.1016/j.carbpol.2020.116510	https://pubpeer.com/publications/76EF2C301172947DB81FEFB75D7379
Xianqin Tong	2020	Xiaoliang Qi, Ruiting Mao, Wenhao Pan, Mengying Zhang, Xuan Wu, Gang Chen, Jianliang Shen, Hui Deng, Rongdang Hu	Construction of functional curdlan hydrogels with bio-inspired T polydopamine for synergistic periodontal antibacterial therapeutics	https://www.sciencedirect.com/science/article/pii/S0144861720307591	10.1016/j.carbpol.2020.116585	https://pubpeer.com/publications/683D9B0C07349873D1C6B9A799C2DB
Zhuodong Chai	2020	Chao Teng, Lei Yang, Lianjie Ren, Zhongyue Yuan, Siyuan Xu, Manman Cheng, Yanmei Wang, Zhen Yan, Chao Qin, Xiaopeng Han, Lifang Yin	Doxorubicin delivered by redox-responsive Hyaluronic Acid–Ibuprofen T prodrug micelles for treatment of metastatic breast cancer	https://www.sciencedirect.com/science/article/pii/S0144861720307013	10.1016/j.carbpol.2020.116527	https://pubpeer.com/publications/72175944DF46F04B64922B4256C7C0
Xia Chen	2020	Shiwei Niu, David H. Bremner, Xuejing Zhang, Hongmei Zhang, Yanyan Zhang, Shude Li, Li-Min Zhu	Co-delivery of doxorubicin and oleanolic acid by triple-sensitive nanocomposite based on chitosan for effective promoting tumor apoptosis	https://www.sciencedirect.com/science/article/pii/S0144861720308468	10.1016/j.carbpol.2020.116672	https://pubpeer.com/publications/F5ACDE65FA52266ABE89BB59CDEF14
Xin Luo	2020	Yidan Liu, Jianhui Pang, Shichao Bi, Zhongzheng Zhou, Zhe Lu, Chao Feng, Xiguang Chen, Ming Kong	Thermo/photo dual-crosslinking chitosan-gelatin methacrylate hydrogel T with controlled shrinking property for contraction fabrication	https://www.sciencedirect.com/science/article/pii/S0144861720302411	10.1016/j.carbpol.2020.116067	https://pubpeer.com/publications/BFFFF4A9BF2A1EDFBE2BDEE8F40A0B

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Dhanya George	2020	P. Uma Maheswari, K.M. Meera Sheriffa Begum	Chitosan-cellulose hydrogel conjugated with L-histidine and zinc oxide T nanoparticles for sustained drug delivery: Kinetics and in-vitro biological studies	https://www.sciencedirect.com/science/article/pii/S0144861720302757	10.1016/j.carbpol.2020.116101	https://pubpeer.com/publications/551CAA03F882D0486A1D87C31BFCE9
Jin Wang	2020	Lehao Zhou, Qihao Sun, Haibo Cai, Wen-Song Tan	Porous chitosan derivative scaffolds affect proliferation and osteogenesis of mesenchymal stem cell via reducing intracellular ROS	https://www.sciencedirect.com/science/article/pii/S0144861720302824	10.1016/j.carbpol.2020.116108	https://pubpeer.com/publications/0D496F45855FEB4872B5DC0A066BA5
Mulazim Hussain Asim	2020	Stefanie Silberhumer, Iram Shahzadi, Aamir Jalil, Barbara Matuszczak, Andreas Bernkop-Schnürch	S-protected thiolated hyaluronic acid: In-situ crosslinking hydrogels for 3D T cell culture scaffold	https://www.sciencedirect.com/science/article/pii/S0144861720302666	10.1016/j.carbpol.2020.116092	https://pubpeer.com/publications/0E0E6E0C34F7EF4640A111E6222A96
Xiaoliang Qi	2020	Ting Sub, Mengying Zhangb, Xianqin Tongc, Wenhao Panc, Qiankun Zengb, Jianliang Shena,b,*	Sustainable, flexible and biocompatible hydrogels derived from microbial T polysaccharides with tailorable structures for tissue engineering	https://www.sciencedirect.com/science/article/pii/S0144861720303349	10.1016/j.carbpol.2020.116160	https://pubpeer.com/publications/EC17A863BEFCF391C88FC58D68A294
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Yumeng Duan	2020	Kaiyue Li, Huangwei Wang, Tong Wu, Yafei Zhao, Haiying Li, Hongbo Tang, Wenzhi Yang	Preparation and evaluation of curcumin grafted hyaluronic acid modified pullulan polymers as a functional wound dressing material	https://www.sciencedirect.com/science/article/pii/S0144861720303696	10.1016/j.carbpol.2020.116195	https://pubpeer.com/publications/E6EAAFCD6CD949B664EAB33EC6F449
Zhao Zhao	2020	Mei Ji, Qianqing Wang, Nannan He, Yue Li	Ca2+ signaling modulation using cancer cell membrane coated chitosan T nanoparticles to combat multidrug resistance of cancer	https://www.sciencedirect.com/science/article/pii/S0144861720302472	10.1016/j.carbpol.2020.116073	https://pubpeer.com/publications/68A219EC0366A1D9BACCE5CF909CF5
T.G. Sahana	2020	P.D. Rekha	A novel exopolysaccharide from marine bacterium Pantoea sp. YU16-S3 T accelerates cutaneous wound healing through Wnt/β-catenin pathway	https://www.sciencedirect.com/science/article/pii/S0144861720303659	10.1016/j.carbpol.2020.116191	https://pubpeer.com/publications/280CE129284EA7B6B341705E6D4585
Samah M. El-Sayed	2020	Hoda S. El-Sayed, Osama A. Ibrahim, Ahmed M. Youssef	Rational design of chitosan/guar gum/zinc oxide bionanocomposites based on Roselle calyx extract for Ras cheese coating	https://www.sciencedirect.com/science/article/pii/S0144861720304082	10.1016/j.carbpol.2020.116234	https://pubpeer.com/publications/0966D8A5C3CDF2E1399C23C77687E4
Qi Zhang	2020	Jing Wang, Dan Liu, Wenquan Zhu, Shuang Guan, Li Fan, Defu Cai	Targeted delivery of honokiol by zein/hyaluronic acid core-shell T nanoparticles to suppress breast cancer growth and metastasis	https://www.sciencedirect.com/science/article/pii/S0144861720304999	10.1016/j.carbpol.2020.116325	https://pubpeer.com/publications/4CCD1B99EC734D812222000D8518B9
Abeer A. Emam	2020	Samia A. Abo Faraha, Fatma H. Kamal, Azaa M. Gamal, Mohga Basseem*	Modification and characterization of Nano cellulose crystalline from T Eichhornia crassipes using citric acid: An adsorption study	https://www.sciencedirect.com/science/article/pii/S0144861720303763	10.1016/j.carbpol.2020.116202	https://pubpeer.com/publications/F5887035A625CA93822FD8BBDF3F3E
Ming Zhang	2020	Yanhong Li, Wenhang Wang, Yiran Yang, Xiaoting Shi, Mengjiao Sun, Yanjie Haoa, Yu Li	Comparison of physicochemical and rheology properties of Shiitake stipes- derived chitin nanocrystals and nanofibers	https://www.sciencedirect.com/science/article/pii/S0144861720306421	10.1016/j.carbpol.2020.116468	https://pubpeer.com/publications/00072CF8D0B350A9E60F903B969E78
Yaoyao Yang	2020	Shuyue Chang, Yingfu Bai, Yutong Du, Deng-Guang Yu	Electrospun triaxial nanofibers with middle blank cellulose acetate layers for T accurate dual-stage drug release	https://www.sciencedirect.com/science/article/pii/S0144861720306512	10.1016/j.carbpol.2020.116477	https://pubpeer.com/publications/EC6584463AD4DCABE3E47678C53CD3
Mahdi Rahimi	2020	Ehsan Bahojb Noruzi, Elham Sheykhsaran, Baharin Ebadi, Zahra KarimInezhad, Morteza Molaparast, Mojtaba Ghanbari Mehrabani, Bahareh Mehramouz, Mehdi Yousefi, Raman Ahmadi, Bahman Yousefi, Khudaverdi Ganbarov, Fadhil S. Kamounah, Vahid Shafiei-Irannejad, Hossein Samadi Kafil	Carbohydrate polymer-based silver nanocomposites: Recent progress in the antimicrobial wound dressings	https://www.sciencedirect.com/science/article/pii/S0144861719313645	10.1016/j.carbpol.2019.115696	https://pubpeer.com/publications/F2123C4EE54F92333CFD4C56C42244
Pengfei Zou	2020	Wen-Hui Lee, Zhiqin Gao, Di Qin, Yuxia Wang, Jiao Liu, Tongyi Sun, Yuanyuan Gao	Wound dressing from polyvinyl alcohol/chitosan electrospun fiber T membrane loaded with OH-CATH30 nanoparticles	https://www.sciencedirect.com/science/article/pii/S0144861719314547	10.1016/j.carbpol.2019.115786	https://pubpeer.com/publications/6D17E5ECB924878ABAEEFB712A4BB3
Duc Dung Nguyen	2020	Li-Jyuan Luo, Shingjiang Jessie Lueb, Jui-Yang Lai	The role of aromatic ring number in phenolic compound-conjugated T chitosan injectables for sustained therapeutic antiglaucoma efficacy	https://www.sciencedirect.com/science/article/pii/S0144861719314389	10.1016/j.carbpol.2019.115770	https://pubpeer.com/publications/A26FE688396C005E61101FAB9D576D
Tingsheng Yan	2020	Jinmei He, Rongmei Liu, Zhonghua Liu, Jinju Cheng	Chitosan capped pH-responsive hollow mesoporous silica nanoparticles for T targeted chemo-photo combination therapy	https://www.sciencedirect.com/science/article/pii/S0144861719313748	10.1016/j.carbpol.2019.115706	https://pubpeer.com/publications/1E29648D71BC870DA607A4F9353C43
Xiaoxiao Song	2020	Yuying Chen, Guanghua Zhao, Hongbo Sun, Huilian Che, Xiaojing Leng	Effect of molecular weight of chitosan and its oligosaccharides on antitumor T activities of chitosan-selenium nanoparticles	https://www.sciencedirect.com/science/article/pii/S0144861719313578	10.1016/j.carbpol.2019.115689	https://pubpeer.com/publications/836C767C41DFD49F36B637900A0DB0
Hojat Veisi	2020	Turan Ozturk, Bikash Karmakar, Taiebeh Tamoradi, Saba Hemmati	In situ decorated Pd NPs on chitosan-encapsulated Fe3O4/SiO2-NH2 as T magnetic catalyst in Suzuki-Miyaura coupling and 4-nitrophenol reduction	https://www.sciencedirect.com/science/article/abs/pii/S0144861720301405	10.1016/j.carbpol.2020.115966	https://pubpeer.com/publications/22E87E0F3D32B80C65B14EFCEE3A9D
Jing Wang	2020	Dan Liu, Shuang Guan, Wenquan Zhu, Li Fan, Qi Zhang, Defu Cai	Hyaluronic acid-modified liposomal honokiol nanocarrier: Enhance anti-metastasis and antitumor efficacy against breast cancer	https://www.sciencedirect.com/science/article/abs/pii/S0144861720301557	10.1016/j.carbpol.2020.115981	https://pubpeer.com/publications/A633803B74DC320DEB68AE7E4B6A31

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Huan Xu	2020	Shuangquan Wu, Pingdong Wei, Fang Xie, Xiangjiao Xu, Jie Cai, Yi Liu	Versatile synthesis, characterization and properties of β-chitin derivatives T from aqueous KOH/urea solution	https://www.sciencedirect.com/science/article/abs/pii/S0144861719310124	10.1016/j.carbpol.2019.115345	https://pubpeer.com/publications/187EF74727A3D283D48CD105C55734
Rania K. Eid	2020	Dalia S. Ashour, Ebtessam A. Essa, Gamal M. El Maghrabya, Mona F. Arafa	Chitosan coated nanostructured lipid carriers for enhanced in vivo efficacy T of albendazole against Trichinella spiralis	https://www.sciencedirect.com/science/article/pii/S0144861719314948	10.1016/j.carbpol.2019.115826	https://pubpeer.com/publications/FB8BA944178A4CE7C23F4A96F27177
Wenhui Li	2021	Ying Yu, Jielong Peng, Ziyang Dai, Jinhong Wu, Zhengwu Wang	Effects of the degree of substitution of OSA on the properties of starch microparticle-stabilized emulsions	https://www.sciencedirect.com/science/article/pii/S0144861720317197	10.1016/j.carbpol.2020.117546	https://pubpeer.com/publications/01FEC0BBAE1DA132F94CC8749C233B
Mengni Fan	2021	Jingxing Si, Xiaogang Xu, Linfu Chen, Junpeng Chen, Chao Yang, Jingwu Zhu, Lihuang Wu, Jiang Tian, Xiaoyi Chen, Xiaozhou Mou, Xiaojun Cai	A versatile chitosan nanogel capable of generating AgNPs in-situ and long-acting slow-release of Ag+ for highly efficient antibacterial	https://www.sciencedirect.com/science/article/pii/S0144861721000242	10.1016/j.carbpol.2021.117636	https://pubpeer.com/publications/5E08734E8B62A60B108E4536B2E189
Dan Liu	2021	Qi Zhang, Jing Wang, Shuang Guan, Defu Cai, Jicheng Liu	Inhibition of growth and metastasis of breast cancer by targeted delivery of 17-hydroxy-jolkinolide B via hyaluronic acid-coated liposomes	https://www.sciencedirect.com/science/article/pii/S0144861720317458	10.1016/j.carbpol.2020.117572	https://pubpeer.com/publications/588D5BC3B558E499F5C08FAFC95A48
Rabyya Kausar	2021	Arif-ullah Khan, Bushra Jamil, Yasser Shahzad, Ihsan ul-Haq	Development and pharmacological evaluation of vancomycin loaded chitosan films	https://www.sciencedirect.com/science/article/pii/S0144861720317380	10.1016/j.carbpol.2020.117565	https://pubpeer.com/publications/DEF17FE34C283E2206F7B9A0803FEE
Xiaoqun Shi	2021	Xiaoye Yang, Mengyao Liu, Rujuan Wang, Na Qiu, Yuanxiu Liu, Haotong Yang, Ji Jianbo, Guangxi Zhai	Chondroitin sulfate-based nanoparticles for enhanced chemo-photodynamic therapy overcoming multidrug resistance and lung metastasis of breast cancer	https://www.sciencedirect.com/science/article/pii/S0144861720316325	10.1016/j.carbpol.2020.117459	https://pubpeer.com/publications/D2B8C073B14553BC68CCD17AF3CD19
Tingsheng Yan	2021	Wenxue Hui, Siyuan Zhu, Jinmei He, Zhonghua Liu, Jinju Cheng	Carboxymethyl chitosan based redox-responsive micelle for near-infrared fluorescence image-guided photo-chemotherapy of liver cancer	https://www.sciencedirect.com/science/article/pii/S0144861720314570	10.1016/j.carbpol.2020.117284	https://pubpeer.com/publications/135FAD2B65DACC3731720C11EC6A1C
Yuda Liu	2021	Dongmei Chen, Aoxue Zhang, Man Xiao, Zhenxia Li, Wanhe Luo, Yuanhu Pan, Wei Qu, Shuyu Xie	Composite inclusion complexes containing hyaluronic acid/chitosan nanosystems for dual responsive enrofloxacin release	https://www.sciencedirect.com/science/article/pii/S0144861720313357	10.1016/j.carbpol.2020.117162	https://pubpeer.com/publications/106F1051F706EF6852DBBB60CE2735
Rajalekshmy GP	2021	Rekha MR	Strontium ion cross-linked alginate-g-poly (PEGMA) xerogels for wound healing applications: in vitro studies	https://www.sciencedirect.com/science/article/pii/S0144861720312923	10.1016/j.carbpol.2020.117119	https://pubpeer.com/publications/C20FACE3FFDF05D856950A4BFDB7DC
Hongyu Tian	2021	Zeli Li, Panfang Lu, Yong Wang, Cong Jia, Huaili Wang, Zhiguang Liua, Min Zhang	Starch and castor oil mutually modified, cross-linked polyurethane for improving the controlled release of urea	https://www.sciencedirect.com/science/article/pii/S0144861720312339	10.1016/j.carbpol.2020.117060	https://pubpeer.com/publications/7C276DFA3E10474C258559046387A7
Zheng Gao	2021	Deyin Kong, Wenxin Cai, Jianjun Zhang, Le Jia	Characterization and anti-diabetic nephropathic ability of mycelium polysaccharides from Coprinus comatus	https://www.sciencedirect.com/science/article/pii/S0144861720312546	10.1016/j.carbpol.2020.117081	https://pubpeer.com/publications/5B8DC36CBA288D70F09246FD358DCF
Zahra Amini	2021	Sam Shekofte Rudsary, Seyed Sadegh Shahraeini, Babak Faraji Dizaji, Pouya Goleij, Ameneh Bakhtiari, Mohammad Irani, Fariborz Sharifianjazi	Magnetic bioactive glasses/Cisplatin loaded-chitosan (CS)-grafted- poly (ε-caprolactone) nanofibers against bone cancer treatment	https://www.sciencedirect.com/science/article/pii/S0144861721000679	10.1016/j.carbpol.2021.117680	https://pubpeer.com/publications/882BE900B207CBB003FC78449BD919
Abhijit Sarkar	2021	Dipak Ranjan Biswas, Samar Chandra Datta, Brahma Swarup Dwivedi, Ranjan Bhattacharyya, Rajesh Kumar, Kali Kinkar Bandyopadhyay, Madhumonti Saha, Gautam Chawla, Jayanta Kumar Saha, Ashok Kumar Patra	Preparation of novel biodegradable starch/poly(vinyl alcohol)/bentonite grafted polymeric films for fertilizer encapsulation	https://www.sciencedirect.com/science/article/pii/S0144861721000667	10.1016/j.carbpol.2021.117679	https://pubpeer.com/publications/DA8B8DC1D4F14C2ECC5E1087223F22
Shohreh Fahimirad	2021	Hamid Abtahi, Parastu Satei, Ehsanollah Ghaznavi-Rad, Mohsen Moslehi, Ali Ganji a d	Wound healing performance of PCL/chitosan based electrospun nanofiber electrosprayed with curcumin loaded chitosan nanoparticles	https://www.sciencedirect.com/science/article/pii/S014486172100028X	10.1016/j.carbpol.2021.117640	https://pubpeer.com/publications/357455D1E39960551F9C7B64E43DD3
Jaya R. Lakkakula	2021	Pratik Gujarathi, Prachi Pansare, Swastika Tripathi	A comprehensive review on alginate-based delivery systems for the delivery of chemotherapeutic agent: Doxorubicin	https://www.sciencedirect.com/science/article/pii/S0144861721000837	10.1016/j.carbpol.2021.117696	https://pubpeer.com/publications/BAC27FA344992D3D7FBBDB05116D04
Asila Osman	2023	Enhui Lin, Dong Soo Hwang	A sticky carbohydrate meets a mussel adhesive: Catechol-conjugated levan for hemostatic and wound healing applications	https://www.sciencedirect.com/science/article/pii/S0144861722010773	10.1016/j.carbpol.2022.120172	https://pubpeer.com/publications/5C3A5799E62BB2B9AB2257EB97CE1E
Yanzhen Sun	2023	Xiaodong Jing, Yang Liu, Bing Yu, Hao Hu, Hailin Cong, Youqing Shen	A chitosan derivative-crosslinked hydrogel with controllable release of polydeoxyribonucleotides for wound treatment	https://www.sciencedirect.com/science/article/pii/S0144861722012036	10.1016/j.carbpol.2022.120298	https://pubpeer.com/publications/2187EFEF76473B989F439E1C184C13
Zhiwen Jiang	2023	Yijie Zhang, Yanting Wang, Shuo Wang, Jing Chang, Wanshun Liu, Baoqin Han	Multichannel nerve conduit based on chitosan derivates for peripheral nerve regeneration and Schwann cell survival	https://www.sciencedirect.com/science/article/pii/S0144861722012322	10.1016/j.carbpol.2022.120327	https://pubpeer.com/publications/0260825F10D692D0B5AF55BECF11F8
Yao Zhao	2023	Xu Peng, Xiaoyang Xu, Mingzhen Wu, Fan Sun, Qiangwei Xin, Hongbo Zhang, Liangrui Zuo, Yilin Cao, Yuhang Xia, Jun Luo, Chunmei Ding, Jianshu Li	Chitosan based photothermal scaffold fighting against bone tumor-related complications: Recurrence, infection, and defects	https://www.sciencedirect.com/science/article/pii/S0144861722011699	10.1016/j.carbpol.2022.120264	https://pubpeer.com/publications/BB93F5C323B3EE73514EF713890646
Yongsheng Ma	2023	Shuyi Xu, Pengpeng Yue, Hankun Cao, Yongkang Zou, Lizhe Wang, Haitao Long, Shuangquan Wu, Qifa Ye	Synthesis and evaluation of water-soluble imidazolium salt chitin with broad-spectrum antimicrobial activity and excellent biocompatibility for infected wound healing	https://www.sciencedirect.com/science/article/pii/S0144861723000395	10.1016/j.carbpol.2023.120575	https://pubpeer.com/publications/87CEEC721DE7A87494BFAC79DB086F

Bianca-Iustina Andreica	2023	Alexandru Anisiei, Irina Rosca, Andreea-Isabela Sandu, Aurelian Sorin Pasca, Liliana Mititelu Tartau, Luminita Marin	Quaternized chitosan/chitosan nanofibrous mats: An approach toward bioactive materials for tissue engineering and regenerative medicine	https://www.sciencedirect.com/science/article/pii/S0144861722013364	10.1016/j.carbpol.2022.120431	https://pubpeer.com/publications/2014CD31A308CB3B1637CB79855112
Rixiang Su	2023	Peiyuan Li, Ying Zhang, Yingbin Lv, Fangzhou Wen, Wei Su	Polydopamine/tannic acid/chitosan/poloxamer 407/188 thermosensitive hydrogel for antibacterial and wound healing	https://www.sciencedirect.com/science/article/pii/S0144861722012541	10.1016/j.carbpol.2022.120349	https://pubpeer.com/publications/18C1B3124BFD8E09C026D992FE0AFB
Kun Yan	2023	Yekai Wan, Feiyang Xu, Jing Lu, Chenguang Yang, Xiufang Li, Zhentan Lu, Xungai Wang, Dong Wang	Ionic crosslinking of alginate/carboxymethyl chitosan fluorescent hydrogel for bacterial detection and sterilization	https://www.sciencedirect.com/science/article/pii/S0144861722013327	10.1016/j.carbpol.2022.120427	https://pubpeer.com/publications/AA168B53B67FAB7AF8DA2ADDAECE97
Mengyue Hu	2023	Xu Peng, Shubin Shi, Chang Wan, Can Cheng, Xixun Yu	Dialdehyde xanthan gum and curcumin synergistically crosslinked bioprosthetic valve leaflets with anti-thrombotic, anti-inflammatory and anti-calcification properties	https://www.sciencedirect.com/science/article/pii/S0144861723001881	10.1016/j.carbpol.2023.120724	https://pubpeer.com/publications/C100832F94E6E107C7378FDF2E8043
Licong Yang	2023	Yabin Wang, Zhiwei Li, Xiaohua Wu, Jingtao Mei, Guodong Zheng	Brain targeted peptide-functionalized chitosan nanoparticles for resveratrol delivery: Impact on insulin resistance and gut microbiota in obesity-related Alzheimer's disease	https://www.sciencedirect.com/science/article/pii/S0144861723001789	10.1016/j.carbpol.2023.120714	https://pubpeer.com/publications/E9F8D43997850C0691E4F1E995477F
Shaofeng Duan	2023	Yifan Xia, Xue Tian, Jie Cui, Xin Zhang, Qian Yang, Tingkui Zhao, Yuxia Lin, Feng Zhanga, Xiaoju Zhang, Juan Cen	A multi-bioresponsive self-assembled nano drug delivery system based on hyaluronic acid and geraniol against liver cancer	https://www.sciencedirect.com/science/article/pii/S0144861723001595	10.1016/j.carbpol.2023.120695	https://pubpeer.com/publications/1CD2AFD5164FFBA55F492B02DF5F55
Yan Lu	2023	Dongjing Lv, Lian Zhou, Yong Yang, Weizhuo Hao, Lichun Huang, Xiaolei Fan, Dongsheng Zhao, Qianfeng Li, Changquan Zhang, Qiaoquan Liu	Combined effects of SSII-2RNAi and different Wx alleles on rice grain transparency and physicochemical properties	https://www.sciencedirect.com/science/article/pii/S0144861723001157	10.1016/j.carbpol.2023.120651	https://pubpeer.com/publications/5B2DA68976554213E08BB67E8BC199
Wei He	2023	Xiaodong Wang, Tian Hang, Jing Chen, Zhichao Wang, Dina A. Mosselhy, Jin Xu, Shitao Wang, Yudong Zheng	Fabrication of Cu2+-loaded phase-transited lysozyme nanofilm on bacterial cellulose: Antibacterial, anti-inflammatory, and pro-angiogenesis for bacteria-infected wound healing	https://www.sciencedirect.com/science/article/pii/S0144861723001455	10.1016/j.carbpol.2023.120681	https://pubpeer.com/publications/BB0CF9756594003101A9778518A68B
Alexandra I. Cernencu	2023	Mariana Ionita	The current state of the art in gellan-based printing inks in tissue engineering	https://www.sciencedirect.com/science/article/pii/S0144861723001406	10.1016/j.carbpol.2023.120676	https://pubpeer.com/publications/85F01842DFCEDC9B291BA341BB75B3
Hua Wei	2023	Shengkai Yu, Yansheng Zhang, Hua Zhang, Yuxi Ma, Mengjia Xu, Peng An, Yang Zhou, Sami Halila, Yen Wei, Jing Chen	Injectable chitosan/xyloglucan composite hydrogel with mechanical adaptivity and endogenous bioactivity for skin repair	https://www.sciencedirect.com/science/article/abs/pii/S0144861723003697	10.1016/j.carbpol.2023.120904	https://pubpeer.com/publications/63E0E5720B95ABB4E947521DCC139D
Xiaoyi Cheng	2023	Sai Yang, Qi Fang, Shicheng Dai, Xinhui Peng, Mingyue Sun, ZiTeng Lian, Yanwei Liu, JinJie Yang, Jing Xu, Huan Wang, Lianzhou Jiang	Biomacromolecule assembly of soy glycinin-potato starch complexes: Focus on structure, function, and applications	https://www.sciencedirect.com/science/article/abs/pii/S0144861723005660	10.1016/j.carbpol.2023.121101	https://pubpeer.com/publications/0DF974FB9D2CA1982D1FFB190B72D3
Haifeng Tong	2023	Juan Wang, Liang Qi, Qunyu Gao	Starch-based Janus particle: Fabrication, characterization and interfacial properties in stabilizing Pickering emulsion	https://www.sciencedirect.com/science/article/abs/pii/S0144861723003326	10.1016/j.carbpol.2023.120867	https://pubpeer.com/publications/43F94FB003985DFB452DA76CDF3221
Qingqing Zhu	2023	Siyu Yao, Zhengzong Wu, Dandan Li, Tian Ding, Donghong Liu, Enbo Xu	Hierarchical structural modification of starch via non-thermal plasma: A state-of-the-art review	https://www.sciencedirect.com/science/article/abs/pii/S0144861723002114	10.1016/j.carbpol.2023.120747	https://pubpeer.com/publications/E7D3F2359A1CB2813CF72801CC02E0
Cherakkathodi Sudheesh	2023	Kappat Valiyapeediyekkal Sunooj, Abhilash Sasidharan, Sarasan Sabu, Aaliya Basheer, Muhammed Navaf, Chikkonda Raghavender, Suraj Kumar Sinha, Johnsy George	Energetic neutral N2 atoms treatment on the kithul (Caryota urens) starch biodegradable film: Physico-chemical characterization	https://www.sciencedirect.com/science/article/abs/pii/S0268005X19325871	10.1016/j.foodhyd.2020.105650	https://pubpeer.com/publications/C43940D34D0EB8D33784847BD57EEE
Xuezhen Feng	2023	Chao Wang, Shibin Shang, He Liu, Xujuan Huang, Jianxin Jiang, Zhanqian Song, Haibo Zhang	Self-healing, EMI shielding, and antibacterial properties of recyclable cellulose liquid metal hydrogel sensor	https://www.sciencedirect.com/science/article/abs/pii/S0144861723002515	10.1016/j.carbpol.2023.120786	https://pubpeer.com/publications/7A911B59CA3B41CD5BB17A5EB600EF
Saeideh Salehi	2023	Mohamadreza Tavakoli, Marjan Mirhaj, Jaleh Varshosaz, Sheyda Labbaf, Saeed Karbasi, Farnoosh Jafarpour, Nafise Kazemi, Sepideh Salehi, Morteza Mehrjoo, Eshagh Emami	A 3D printed polylactic acid-Baghdadite nanocomposite scaffold coated with microporous chitosan-VEGF for bone regeneration applications	https://www.sciencedirect.com/science/article/abs/pii/S0144861723002527	10.1016/j.carbpol.2023.120787	https://pubpeer.com/publications/FFCE5D493636E93D1FAE96EBA4C672
Sanjay Ch	2023	Sri Ganga Padaga, Balaram Ghosh, Sanhita Roy, Swati Biswas	Chitosan-poly(lactide-co-glycolide)/poloxamer mixed micelles as a mucoadhesive thermo-responsive moxifloxacin eye drop to improve treatment efficacy in bacterial keratitis	https://www.sciencedirect.com/science/article/abs/pii/S0144861723002874	10.1016/j.carbpol.2023.120822	https://pubpeer.com/publications/8B36A1601C15D04B50F5F3FF3F5CDC
Yifei Bai	2023	Tingting Qiu, Bin Chen, Cheng Shen, Chengbing Yu, Zhen Luo, Jing Zhang, Weina Xu, Zilong Deng, Jianxiong Xu, Hongcai Zhang	Formulation and stabilization of high internal phase emulsions: Stabilization by cellulose nanocrystals and gelatinized soluble starch	https://www.sciencedirect.com/science/article/abs/pii/S0144861723001571	10.1016/j.carbpol.2023.120693	https://pubpeer.com/publications/2C8E948C82BB858524DCE236189EC6
Medha Bhattacharyya	2023	Heena Jariyal, Akshay Srivastava	Hyaluronic acid: More than a carrier, having an overpowering extracellular and intracellular impact on cancer	https://www.sciencedirect.com/science/article/abs/pii/S0144861723005465	10.1016/j.carbpol.2023.121081	https://pubpeer.com/publications/BE83DFF1C67D2438AB4123B1AA7150
Panpan Song	2023	Bingjie Wang, Qi Pan, Tianze Jiang, Xiangyan Chen, Miao Zhang, Jiaojiao Tao, Xia Zhao	GE11-modified carboxymethyl chitosan micelles to deliver DOX-PD-L1 siRNA complex for combination of ICD and immune escape inhibition against tumor	https://www.sciencedirect.com/science/article/abs/pii/S0144861723003028	10.1016/j.carbpol.2023.120837	https://pubpeer.com/publications/9FA0F9A7529E378A7984FBD0050179
Licong Yang	2023	Yabin Wang, Zhiwei Li, Xiaohua Wu, Jingtao Mei, Guodong Zheng	Brain targeted peptide-functionalized chitosan nanoparticles for resveratrol delivery: Impact on insulin resistance and gut microbiota in obesity-related Alzheimer's disease	https://www.sciencedirect.com/science/article/abs/pii/S0144861723001789	10.1016/j.carbpol.2023.120714	https://pubpeer.com/publications/E9F8D43997850C0691E4F1E995477F
Jawza Sh Alnawmasi	2023		Construction of amino-thiol functionalized ion-imprinted chitosan for lead (II) ion removal	https://www.sciencedirect.com/science/article/pii/S0144861723000607	10.1016/j.carbpol.2023.120596	https://pubpeer.com/publications/A603AA427EE24DE9F13FA9D98E6ECC

Yue Zhu	2023	Di Qin, Jinfeng Liu, Guangsheng Wu, Haonan Wang, Feifei Wu, Yixuan Liu, Ya Liu, Xiaojie Cheng, Xiguang Chen	Chitin whiskers enhanced methacrylated hydroxybutyl chitosan hydrogels as anti-deformation scaffold for 3D cell culture	https://www.sciencedirect.com/science/article/pii/S0144861722013881	10.1016/j.carbpol.2022.120483	https://pubpeer.com/publications/0E0A8D9E35F26CE0D835BADACE35E8
Zexiang Zheng	2023	Xing Yang, Yifan Zhang, Weiqiang Zu, Minna Wen, Taisheng Liu, Changren Zhou, Lihua Li	An injectable and pH-responsive hyaluronic acid hydrogel as metformin carrier for prevention of breast cancer recurrence	https://www.sciencedirect.com/science/article/pii/S0144861722013984	10.1016/j.carbpol.2022.120493	https://pubpeer.com/publications/E3C5A93BA7FA0B1B5661128F61DD49
Fengling Liu	2023	Lu Wang, Xinrang Zhai, Shunxian Ji, Jingjia Ye, Zhiqiang Zhu, Chong Teng, Wei Dong, Wei Wie	A multi-functional double cross-linked chitosan hydrogel with tunable mechanical and antibacterial properties for skin wound dressing	https://www.sciencedirect.com/science/article/pii/S0144861723008093	10.1016/j.carbpol.2023.121344	https://pubpeer.com/publications/28D726C570DF571583E456F1B3831E
Yuan Zhang	2023	Wenjuan Chen, Wenjing Feng, Wenhong Fang, Xiao Han, Cui Cheng	Multifunctional chondroitin sulfate based hydrogels for promoting infected diabetic wounds healing by chemo-photothermal antibacterial and cytokine modulation	https://www.sciencedirect.com/science/article/pii/S0144861723004022	10.1016/j.carbpol.2023.120937	https://pubpeer.com/publications/476865FCA8082D3EE28D02B88AA700
Ping Li	2023	Yang Li, Rongzhan Fu, Zhiguang Duan, Chenhui Zhu, Daidi Fan	NIR- and pH-responsive injectable nanocomposite alginate-graft-dopamine hydrogel for melanoma suppression and wound repair	https://www.sciencedirect.com/science/article/pii/S0144861723003648	10.1016/j.carbpol.2023.120899	https://pubpeer.com/publications/93E55ED0AE656F90EE12818129EBB7
Fangzhou He	2023	Conghua Xie, Xiaojuan Xu	Hyaluronic acid-modified yeast β-glucan particles delivering doxorubicin for treatment of breast cancer	https://www.sciencedirect.com/science/article/pii/S0144861723003727	10.1016/j.carbpol.2023.120907	https://pubpeer.com/publications/40B5AF567B4E02AC2848E46ED91DD8
Shuting Xiong	2023	Sheng Ye, Panxianzhi Ni, Meng Zhong, Jing Shan, Tun Yuan, Jie Liang, Yujiang Fan, Xingdong Zhang	Polyvinyl-alcohol, chitosan and graphene-oxide composed conductive hydrogel for electrically controlled fluorescein sodium transdermal release	https://www.sciencedirect.com/science/article/pii/S0144861723006379	10.1016/j.carbpol.2023.121172	https://pubpeer.com/publications/454C9900A9386A9F9E4AD3B2962A9C
Asghar Eskandarinia	2023	Mosayeb Gharakhloo, Paria Khaloo Kermani, Sepehr Navid, Mohammad Ali Salami, Darioush Khodabakhshi, Ali Samadi	Antibacterial self-healing bilayer dressing for epidermal sensors and accelerate wound repair	https://www.sciencedirect.com/science/article/pii/S0144861723006367	10.1016/j.carbpol.2023.121171	https://pubpeer.com/publications/2317456C9BDB1EF14DB9FF28AD8BD1
Jingmei Teng	2024	Wei Zhao, Shengyu Zhang, Dan Yang, Yu Liu, Rongjian Huang, Yuxi Ma, Lei Jiang, Hua Wei, Jiantao Zhang, Jing Chen	Injectable nanoparticle-crosslinked xyloglucan/ε-poly-L-lysine composite hydrogel with hemostatic, antimicrobial, and angiogenic properties for infected wound healing	https://www.sciencedirect.com/science/article/pii/S014486172400328X	10.1016/j.carbpol.2024.122102	https://pubpeer.com/publications/5B404C4D4FC868564DDCC34E0499AF
Lamiya Hassan Tithy	2024	Abdur Rahman, Siew Yee Wong, Xu Li, M. Tarik Arafat	Chitosan/starch based unoxidized tannic acid modified microparticles for rapid hemostasis with broad spectrum antibacterial activity	https://www.sciencedirect.com/science/article/pii/S0144861724003370	10.1016/j.carbpol.2024.122111	https://pubpeer.com/publications/3D92C171E4F0FCFCABC0E0811AEBF1
Pei Wang	2024	Zhi Peng, Yanyan Zhang, Xuejing Zhang, Xia Chen, Fan Li, Bo Chen, Shiwei Niu, Kaili Du, Li-Min Zhu	A chitosan-camouflaged nanomedicine triggered by hierarchically stimuli to release drug for multimodal imaging-guided chemotherapy of breast cancer	https://www.sciencedirect.com/science/article/pii/S0144861724002996	10.1016/j.carbpol.2024.122073	https://pubpeer.com/publications/2F68A18335FBDB52FAF1DFB8ED568C
Yuanmeng Zhou	2024	Weibin Jia, Jiexue Bi, Meng Liu, Liling Liu, Hang Zhou, Guofeng Gu, Zonggang Chen	Sulfated hyaluronic acid/collagen-based biomimetic hybrid nanofiber skin for diabetic wound healing: Development and preliminary evaluation	https://www.sciencedirect.com/science/article/pii/S0144861724002510	10.1016/j.carbpol.2024.122025	https://pubpeer.com/publications/F4DFFA4E9DCFE0CB6B863B2B7AE4FB
Rafael F.N. Quadrado	2024	Siara Silvestri, Jaqueline F. de Souza, Bernardo A. Iglesias , André R. Fajardoa	Advances in porphyrins and chlorins associated with polysaccharides and polysaccharides-based materials for biomedical and pharmaceutical applications	https://www.sciencedirect.com/science/article/pii/S0144861724002431	10.1016/j.carbpol.2024.122017	https://pubpeer.com/publications/F0D64054678EAAEEAA3BC573A9C657
Xinrang Zhai	2024	Honghua Hu, Miner Hu, Shunxian Ji, Tao Lei, Xiaozhao Wang, Zhiqiang Zhu, Wei Dong, Chong Teng, Wei Wie	A nano-composite hyaluronic acid-based hydrogel efficiently antibacterial and scavenges ROS for promoting infected diabetic wound healing	https://www.sciencedirect.com/science/article/pii/S014486172400290X	10.1016/j.carbpol.2024.122064	https://pubpeer.com/publications/F36DF6D79DE1599D8ECE2EB3DAB45B
Fang-Shu Shi	2024	Yv-Hao Xie, Yong-Le Yang, Ling-Dong Xu, Jin-Jun Li, Xin Wang, Li-Ying Zhu, Wei-Wei Wang, Pei-li Shen, Yao-Wei Huang, Xiao-Qiong Li	Fucoidan from Ascophyllum nodosum and Undaria pinnatifida attenuate SARS-CoV-2 infection in vitro and in vivo by suppressing ACE2 and alleviating inflammation	https://www.sciencedirect.com/science/article/pii/S0144861724001103	10.1016/j.carbpol.2024.121884	https://pubpeer.com/publications/5A04FB4EB87ED35740BF26E7EC2FBF
Nan Wu	2024	Qiaoxia Lin, Fei Shao, Lei Chen, Haoyue Zhang, Kaiwen Chen, Jinrong Wu, Guirong Wang, Huanan Wang, Qing Yang	Insect cuticle-inspired design of sustainably sourced composite bioplastics with enhanced strength, toughness and stretch-strengthening behavior	https://www.sciencedirect.com/science/article/pii/S0144861724001966	10.1016/j.carbpol.2024.121970	https://pubpeer.com/publications/68FA4DEFFF2575F963F65361E6A38A
Yanjun Yang	2024	Mengli Yu, Yulin Mo, Yue Cheng, Bin Huang, Weilin Wang, Maomao Zhu, Xiaobin Jia, Liang Feng, Bing Yang	Metal-ion-binding properties of glycyrrhiza polysaccharide extracted from Licorice: Structural characterization and potential application in drug delivery	https://www.sciencedirect.com/science/article/abs/pii/S0144861724008841	10.1016/j.carbpol.2024.122658	https://pubpeer.com/publications/338A5782B02ED05D1780532D0EB886
Fengyan Liang	2024	Chusi Liu, Jinwen Geng, Nachuan Chen, Weida Lai, Haitong Mo, Kaidong Liu	Chitosan–fucoidan encapsulating cinnamaldehyde composite coating films: Preparation, pH-responsive release, antibacterial activity and preservation for litchi	https://www.sciencedirect.com/science/article/pii/S0144861724001942	10.1016/j.carbpol.2024.121968	https://pubpeer.com/publications/29463E00CFAF0904B61E920E3DDF63
Min Xu	2025	Huazhi Xiao, Xuan Zou, Lei Pan, Qiaozhi Song, Luying Hou, Yihong Zeng, Ye Hana, Zhijiang Zhoua	Mechanisms of levan in ameliorating hyperuricemia: Insight into levan on serum metabolites, gut microbiota, and function in hyperuricemia rats	https://www.sciencedirect.com/b/s/science/article/pii/S014486172400891 9	10.1016/j.carbpol.2024.122665	https://pubpeer.com/publications/83597B2134196D50E1E29F51DE9BFC
Shujun Cao	2025	Peihong Ji, Lili Hao, Chao Sun, Hongli Mao, Zhongwei Gu	Self-assembling chitosan based injectable and expandable sponge with antimicrobial property for hemostasis and wound healing	https://www.sciencedirect.com/b/s/science/article/pii/S014486172400925 1	10.1016/j.carbpol.2024.122699	https://pubpeer.com/publications/088A9ED4B216CB5FBE3019887EEB3D
Qingmei Liu	2020	Yafen Zhang, Zhendan Shu, Meng Liu, Runying Zeng, Yanbo Wang, Hong Liu, Minjie Cao, Wenjin Su, Guangming Liu	Sulfated oligosaccharide of Gracilaria lemaneiformis protect against food allergic response in mice by up-regulating immunosuppression	https://www.sciencedirect.com/science/article/pii/S0144861719312354	10.1016/j.carbpol.2019.115567	https://pubpeer.com/publications/F113672653A4948AF47233CFF2B7E5
Li-Ting Wu	2021	I-Lin Tsai, Yi-Cheng Ho, Yu-Hao Hang, Chi Lin, Min-Lang Tsai, Fwu-Long Mi	Active and intelligent gellan gum-based packaging films for controlling anthocyanins release and monitoring food freshness	https://www.sciencedirect.com/science/article/pii/S0144861720315836	10.1016/j.carbpol.2020.117410	https://pubpeer.com/publications/D2152577BC6453709460002EBB5A13

Limei Liang	2022	Tao Liu, Qianqian Ouyang, Sidong Li, Chengpeng Li	Solid phase synthesis of oxidized sodium alginate-tobramycin conjugate and its application for infected wound healing	https://www.sciencedirect.com/science/article/pii/S0144861722007482	10.1016/j.carbpol.2022.119843	https://pubpeer.com/publications/19853C976B6E925DFDA2D8CB2E604A
Wen Sun	2022	Changjun Mu, Xu Zhang, Hengchong Shi, Qiuyan Yan, Shifang Luan	Mussel-inspired polysaccharide-based sponges for hemostasis and bacteria infected wound healing	https://www.sciencedirect.com/science/article/pii/S0144861722007731	10.1016/j.carbpol.2022.119868	https://pubpeer.com/publications/16D86E37059045EE62EE5A37E634A3
Annalisa Martorana	2022	Giovanna Pitarresi, Fabio Salvatore Palumbo, Valentina Catania, Domenico Schillaci, Nicolò Mauro, Calogero Fiorica, Gaetano Giammona	Fabrication of silver nanoparticles by a diethylene triamine-hyaluronic acid derivative and use as antibacterial coating	https://www.sciencedirect.com/science/article/pii/S0144861722007664	10.1016/j.carbpol.2022.119861	https://pubpeer.com/publications/0047E6D2189C2765C62FC870D92DA2
Chengyu Wang	2022	Jin Zhang , Hao Xu , Caihua Huang , You Lu , Hongyue Cui , Yebang Tan	Chitosan-driven biocompatible hydrogel based on water-soluble polypyrrole for stable human-machine interfaces	https://www.sciencedirect.com/science/article/pii/S0144861722007950	10.1016/j.carbpol.2022.119890	https://pubpeer.com/publications/765DC5B82A79862F2BF5DC393E1330
Xin Li	2022	Wei Chen, David Mahoudjro Bodjrenou, Meihua Huang, Yi Zhang, Baodong Zheng, Hongliang Zeng	Properties of butyrylated lotus seed starch with butyryl groups at different carbon positions	https://www.sciencedirect.com/science/article/pii/S0144861722006713	10.1016/j.carbpol.2022.119766	https://pubpeer.com/publications/C16221BE5F4C9626C1DD74D7BD2DC9
Niloofar Fani	2022	M.H. Enayati, Hadis Rostamabadi, Seid Reza Falsafi	Encapsulation of bioactives within electrosprayed κ-carrageenan nanoparticles	https://www.sciencedirect.com/science/article/pii/S014486172200666X	10.1016/j.carbpol.2022.119761	https://pubpeer.com/publications/7F279B0A88D84C68E0440AB5520385
Shuke Yue	2022	Huaibin Wang, Huixian Xu, Hongsheng Liu, Wenwen Yu	Addition of amino acids modulates the in vitro digestibility of corn starch	https://www.sciencedirect.com/science/article/pii/S0144861722006506	10.1016/j.carbpol.2022.119745	https://pubpeer.com/publications/96255EC2EBD98FBAE88E071A8E8F75
Lisheng Zhou	2022	Liming Zhou , Chengxiu Wei , Rui Guo	A bioactive dextran-based hydrogel promote the healing of infected wounds via antibacterial and immunomodulatory	https://www.sciencedirect.com/science/article/pii/S0144861722004635	10.1016/j.carbpol.2022.119558	https://pubpeer.com/publications/6C9C0CAF8985A86BACBE1E0058240F
Cong Wang	2022	Hui Cao, Lingyun Jia, Wenli Liu, Pengtao Liu	Characterization of antibacterial aerogel based on ε-poly-L-lysine/nanocellulose by using citric acid as crosslinker	https://www.sciencedirect.com/science/article/pii/S0144861722004738	10.1016/j.carbpol.2022.119568	https://pubpeer.com/publications/AAD7DFE0F877211B09A0BD8C57B750
Mukesh Kumar Meher	2022	Krishna Mohan Poluri	Bifunctional Dalteparin/Enoxaparin coated nanosilver formulation to prevent bloodstream infections during hemodialysis	https://www.sciencedirect.com/science/article/pii/S0144861722004519	10.1016/j.carbpol.2022.119546	https://pubpeer.com/publications/997FECF64B3503E08794F704725C24
Zhexiang Wang	2022	Di Wang, Xin Liu, Haifang Wu, Yuqing Liu, Yang Ge, Guoqing Yan, Rupei Tang	Dynamic carboxymethyl chitosan-based nano-prodrugs precisely mediate robust synergistic chemotherapy	https://www.sciencedirect.com/science/article/pii/S0144861722005768	10.1016/j.carbpol.2022.119671	https://pubpeer.com/publications/434F7613F4CCE7D2D6DD2E7483AA9A
Yulin Wang	2022	Ya Li, Zhongbing Huang, Bing Yang, Ning Mu, Zhaopu Yang, Min Deng, Xiaoming Liao, Guangfu Yin, Yu Nie, Tunan Chen, Hua Ma	Gene delivery of chitosan-graft-polyethyleneimine vectors loaded on scaffolds for nerve regeneration	https://www.sciencedirect.com/science/article/pii/S0144861722004040	10.1016/j.carbpol.2022.119499	https://pubpeer.com/publications/B330954C89F8E92DB8394C8A2C1543
Dinesh K. Patel	2022	Sayan Deb Dutta, Jin Hexiu, Keya Ganguly, Ki-Taek Lim	3D-printable chitosan/silk fibroin/cellulose nanoparticle scaffolds for bone regeneration via M2 macrophage polarization	https://www.sciencedirect.com/science/article/pii/S0144861721014648	10.1016/j.carbpol.2021.119077	https://pubpeer.com/publications/0DDE87E8482763AECEEEB1D4296694
Ming Jiang	2022	Yuanzhong Pan, Yuanda Liu, Kai Dai, Qinghao Zhang, Jing Wang Xiongfa Ji, Lin Mao, Li Wang, Kun Chen, Zhijun Shi, Abeer Ahmed Qaed	Effect of sulfated chitosan hydrogel on vascularization and osteogenesis	https://www.sciencedirect.com/science/article/pii/S0144861721014466	10.1016/j.carbpol.2021.119059	https://pubpeer.com/publications/949BD48FF328D6584868EDCB3E40A1
Li Liu	2022	Ahmed, Sabu Thomas, Revin Victor Vasilievich, Lin Xiao, Xiaohong Li, Guang Yang	Hierarchical-structured bacterial cellulose/potato starch tubes as potential small-diameter vascular grafts	https://www.sciencedirect.com/science/article/pii/S0144861721014211	10.1016/j.carbpol.2021.119034	https://pubpeer.com/publications/7BB9FAF264E1298B548EC5245EFD5D
Jie Wang	2022	Chang-Song Wu, Ya-Zhen Hu, Lan Yang, Xu-Jie Zhang, Yong-An Zhang	Plasmablasts induced by chitosan oligosaccharide secrete natural IgM to enhance the humoral immunity in grass carp	https://www.sciencedirect.com/science/article/pii/S0144861721014600	10.1016/j.carbpol.2021.119073	https://pubpeer.com/publications/39F1EC8524B46A5EC16BF821F5854A
Hong-Yan Wang	2022	Ji-Chun Ge, Feng-Yun Zhang, Xue-Qiang Zha, Jian Liu, Qiang-Ming Li, Jian-Ping Luo	Dendrobium officinale polysaccharide promotes M1 polarization of TAMs to inhibit tumor growth by targeting TLR2	https://www.sciencedirect.com/science/article/pii/S0144861722005884	10.1016/j.carbpol.2022.119683	https://pubpeer.com/publications/AFD8B0E9621B050B4CE858C320D0FE
Tianyu Li	2022	Xin Hou, Yihua Huang, Changsheng Wang, Haiyun Chen, Chunyan Yan	In vitro and in silico anti-osteoporosis activities and underlying mechanisms of a fructan, ABW90-1, from Achyranthes bidentate	https://www.sciencedirect.com/science/article/abs/pii/S0144861721011176	10.1016/j.carbpol.2021.118730	https://pubpeer.com/publications/0AF17C42541288317F14E084CBC8A2
Hanieh Mousazadeh	2022	Esat Bonabi, Nosratollah Zarghami	Stimulus-responsive drug/gene delivery system based on polyethylenimine cyclodextrin nanoparticles for potential cancer therapy	https://www.sciencedirect.com/science/article/abs/pii/S0144861721011346	10.1016/j.carbpol.2021.118747	https://pubpeer.com/publications/D0F806D467A9190046E90648CB5439
Xu Fan	2023	Lei Zhang, Fuhao Dong, He Liu, Xu Xu	Room-temperature self-healing polyurethane–cellulose nanocrystal composites with strong strength and toughness based on dynamic bonds	https://www.sciencedirect.com/b/s/science/article/pii/S0144861723001182	10.1016/j.carbpol.2023.120654	https://pubpeer.com/publications/D669819454563A55FA60FC0895448B
SooJung Chae	2023	Hyeongjin Lee, GeunHyung Kim	Fabrication of self-assembled core-sheath microfibers via formulation of alginate-based bioinks	https://www.sciencedirect.com/science/article/pii/S0144861723000218	10.1016/j.carbpol.2023.120557	https://pubpeer.com/publications/163089094779C740DB7874F356E6FE
Michele K. Lima-Tenório	2023	Fernanda Furmam-Cherobim, Pedro R. Karas, Daiane Hyedaa, Willian Y. Takahashi, Arthur S. Pinto Junior, Carolina W. Galvão, Ernandes T. Tenório-Neto, Rafael M. Etto	Azospirillum brasilense AbV5/6 encapsulation in dual-crosslinked beads based on cationic starch	https://www.sciencedirect.com/science/article/pii/S0144861723000954	10.1016/j.carbpol.2023.120631	https://pubpeer.com/publications/CBB005DE551636F2DA263C53D10724

Haibing Liu	2023	Rong Chen, Pinkai Wang, Jinlang Fu, Zinan Tang, Jiajun Xie, Yanhong Ning, Jian Gao, Qiang Zhong, Xin Pan, Ding Wang, Mingyuan Lei, Xiaoqi Li, Yang Zhang, Jian Wang, Hao Cheng	Electrospun polyvinyl alcohol-chitosan dressing stimulates infected diabetic wound healing with combined reactive oxygen species scavenging and antibacterial abilities	https://www.sciencedirect.com/science/article/pii/S0144861723005155	10.1016/j.carbpol.2023.121050	https://pubpeer.com/publications/78C76D4E0ED4C259B88855976419E4
I.M. Lipatova	2024	N.V. Losev	The influence of the combined impact of shear stress and cavitation on the structure and properties of starch-natural rubber composite	https://www.sciencedirect.com/science/article/pii/S014486172400078X	10.1016/j.carbpol.2024.121852	https://pubpeer.com/publications/DDC704C2C081A0072790013A4F77AD
Zhihao Huang	2024	Wenjuan Feng , Tao Zhang , Ming Miao	Structure and functional characteristics of starch from different hulled oats cultivated in China	https://www.sciencedirect.com/science/article/pii/S0144861724000171	10.1016/j.carbpol.2024.121791	https://pubpeer.com/publications/88EE18E2E84FD5CAE0468ECA55E619
Jiao Li	2024	Chunhui Liu, Sai Wang, Xiangzhao Mao	Staphylococcus aureus enters viable-but-nonculturable state in response to chitooligosaccharide stress by altering metabolic pattern and transmembrane transport function	https://www.sciencedirect.com/science/article/pii/S0144861723012377	10.1016/j.carbpol.2023.121772	https://pubpeer.com/publications/D4D4C0DAB3CBB0F7C8FA5C64374313
Dongling Qiao	2024	Yuchun Huang, Xinran Hou, Fayin Ye, Kao Wu, Fatang Jiang, Guohua Zhao, Binjia Zhang, Fengwei Xie	Enhancing thermal stability and mechanical resilience in gelatin/starch composites through polyvinyl alcohol integration	https://www.sciencedirect.com/science/article/pii/S0144861724007549	10.1016/j.carbpol.2024.122528	https://pubpeer.com/publications/AB29ACFDC1DCF5409A227A6EF3EE36
Guang-shuo Zhou	2025	Tao Zhang, Yan Jin, Guo-fu Zhang, Bo Kong, Da-yin Chen, Guo-xian Wang, Zi-shu Wang, Meng-ying Qi, Da-xia Zhang, Wei Mu, Nan Zou	A carboxymethyl chitosan /trans-2-hexenal Schiff's base gel with controlled density using dynamic imine bonds: pH-controlled release and extended duration	https://www.sciencedirect.com/b/science/article/pii/S0144861725000864	10.1016/j.carbpol.2025.123305	https://pubpeer.com/publications/34A8A92FEB70246C42160F3F763480
Meng Zhang	2025	Yinchuan Wang, Xueling Yin, Mei Xue, Xin Zhao, Runxiao Zheng, Jianfeng Qiu, Zhihong Zhu	Chlorogenic acid-assisted dopamine-sodium alginate composite nanofiber membranes for promoting wound healing	https://www.sciencedirect.com/b/science/article/pii/S014486172500097?brr=91a4050238ab75f7&via%3Dihub=	10.1016/j.carbpol.2025.123298	https://pubpeer.com/publications/05819713C26ADFD3410D2A7AC7ADCD
Changwei Gong	2025	Wei Wang, Yanxin Ma, Xiaoxu Zhan, Anchun Peng, Jian Pu, Jizhi Yang, Xiangyang Yuan, Xuegui Wang	siRNA self-assembled carboxymethyl chitosan and pymetrozine nucleic pesticides for enhanced control of Sogatella furcifera: Bidirectional transduction and detoxification inhibition	https://www.sciencedirect.com/science/article/pii/S0144861725001092?via	10.1016/j.carbpol.2025.123328	https://pubpeer.com/publications/C3A0E3AB19956BE5568DF60BC1D806