

Xin-Yuan Sun

List of Publications by Year in descending order

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38
papers

613
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586496

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all docs

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38
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfated <i>Undaria pinnatifida</i> polysaccharide inhibits the formation of kidney stones by inhibiting HK-2 cell damage and reducing the adhesion of nano-calcium oxalate crystals. <i>Materials Science and Engineering C</i> , 2022, 134, 112564.	3.8	5
2	<i>Porphyra yezoensis</i> polysaccharide and potassium citrate synergistically inhibit calcium oxalate crystallization induced by renal epithelial cells and cytotoxicity of the formed crystals. <i>Materials Science and Engineering C</i> , 2021, 119, 111448.	3.8	11
3	Protective Effect of Degraded <i>Porphyra yezoensis</i> Polysaccharides on the Oxidative Damage of Renal Epithelial Cells and on the Adhesion and Endocytosis of Nanocalcium Oxalate Crystals. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	1.9	3
4	Inhibition of Calcium Oxalate Formation and Antioxidant Activity of Carboxymethylated <i>Poria cocos</i> Polysaccharides. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	1.9	8
5	Carboxymethylation of Corn Silk Polysaccharide and Its Inhibition on Adhesion of Nanocalcium Oxalate Crystals to Damaged Renal Epithelial Cells. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3409-3422.	2.6	11
6	Regulation of <i>Laminaria</i> Polysaccharides with Different Degrees of Sulfation during the Growth of Calcium Oxalate Crystals and their Protective Effects on Renal Epithelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	1.9	4
7	Antioxidant activity of sulfated <i>Porphyra yezoensis</i> polysaccharides and their regulating effect on calcium oxalate crystal growth. <i>Materials Science and Engineering C</i> , 2021, 128, 112338.	3.8	17
8	Effects of Selenized <i>Astragalus</i> Polysaccharide on the Adhesion and Endocytosis of Nanocalcium Oxalate Dihydrate after the Repair of Damaged HK-2 Cells. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 739-751.	2.6	9
9	Regulatory Effects of Damaged Renal Epithelial Cells After Repair by <i>Porphyra yezoensis</i> Polysaccharides with Different Sulfation Degree on the Calcium Oxalate Crystal-Cell Interaction. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 8087-8102.	3.3	5
10	Size-Dependent Cytotoxicity of Hydroxyapatite Crystals on Renal Epithelial Cells. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 5043-5060.	3.3	9
11	Repair of Tea Polysaccharide Promotes the Endocytosis of Nanocalcium Oxalate Monohydrate by Damaged HK-2 Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-12.	1.9	5
12	Regulation on Calcium Oxalate Crystallization and Protection on HK-2 Cells of Tea Polysaccharides with Different Molecular Weights. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	15
13	Degraded <i>Porphyra yezoensis</i> polysaccharide protects HK-2 cells and reduces nano-COM crystal toxicity, adhesion and endocytosis. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7233-7252.	2.9	13
14	Preparation and characterization of selenized <i>Astragalus</i> polysaccharide and its inhibitory effect on kidney stones. <i>Materials Science and Engineering C</i> , 2020, 110, 110732.	3.8	20
15	Preprotection of Tea Polysaccharides with Different Molecular Weights Can Reduce the Adhesion between Renal Epithelial Cells and Nano-Calcium Oxalate Crystals. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-13.	1.9	8
16	Modulation of Calcium Oxalate Crystal Growth and Protection from Oxidatively Damaged Renal Epithelial Cells of Corn Silk Polysaccharides with Different Molecular Weights. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-19.	1.9	18
17	Effects of <i>Porphyra yezoensis</i> Polysaccharide with Different Molecular Weights on the Adhesion and Endocytosis of Nanocalcium Oxalate Monohydrate in Repairing Damaged HK-2 Cells. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3974-3986.	2.6	21
18	Repair Effects of <i>Astragalus</i> Polysaccharides with Different Molecular Weights on Oxidatively Damaged HK-2 Cells. <i>Scientific Reports</i> , 2019, 9, 9871.	1.6	26

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19	Repair activity and crystal adhesion inhibition of polysaccharides with different molecular weights from red algae <i>Porphyra yezoensis</i> against oxalate-induced oxidative damage in renal epithelial cells. <i>Food and Function</i> , 2019, 10, 3851-3867.	2.1	24
20	Comparison of the adhesion and endocytosis of calcium oxalate dihydrate to HK-2 cells before and after repair by <i>Astragalus</i> polysaccharide. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 1164-1177.	2.8	5
21	Preparation, properties, formation mechanisms, and cytotoxicity of calcium oxalate monohydrate with various morphologies. <i>CrystEngComm</i> , 2018, 20, 75-87.	1.3	18
22	Antioxidant Activities and Repair Effects on Oxidatively Damaged HK-2 Cells of Tea Polysaccharides with Different Molecular Weights. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-17.	1.9	23
23	Structural Characterization, Antioxidant Activity, and Biomedical Application of <i>Astragalus</i> Polysaccharide Degradation Products. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-13.	1.2	17
24	Structural Characterization and Repair Mechanism of <i>Gracilaria lemaneiformis</i> Sulfated Polysaccharides of Different Molecular Weights on Damaged Renal Epithelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-15.	1.9	20
25	Size-dependent cellular uptake mechanism and cytotoxicity toward calcium oxalate on Vero cells. <i>Scientific Reports</i> , 2017, 7, 41949.	1.6	41
26	Time-dependent subcellular structure injuries induced by nano-/micron-sized calcium oxalate monohydrate and dihydrate crystals. <i>Materials Science and Engineering C</i> , 2017, 79, 445-456.	3.8	8
27	Effect of Crystal Shape and Aggregation of Calcium Oxalate Monohydrate on Cellular Toxicity in Renal Epithelial Cells. <i>ACS Omega</i> , 2017, 2, 6039-6052.	1.6	27
28	Shape-dependent cellular toxicity on renal epithelial cells and stone risk of calcium oxalate dihydrate crystals. <i>Scientific Reports</i> , 2017, 7, 7250.	1.6	23
29	Effects of plant polysaccharides with different carboxyl group contents on calcium oxalate crystal growth. <i>CrystEngComm</i> , 2017, 19, 4838-4847.	1.3	16
30	Effect of Content of Sulfate Groups in Seaweed Polysaccharides on Antioxidant Activity and Repair Effect of Subcellular Organelles in Injured HK-2 Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-13.	1.9	36
31	Reinjury risk of nano-calcium oxalate monohydrate and calcium oxalate dihydrate crystals on injured renal epithelial cells: aggravation of crystal adhesion and aggregation. <i>International Journal of Nanomedicine</i> , 2016, 11, 2839.	3.3	16
32	Renal Epithelial Cell Injury Induced by Calcium Oxalate Monohydrate Depends on Their Structural Features: Size, Surface, and Crystalline Structure. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 2001-2014.	0.5	18
33	Protective Effects of Degraded Soybean Polysaccharides on Renal Epithelial Cells Exposed to Oxidative Damage. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 7911-7920.	2.4	5
34	Synthesis, characterization, and cytotoxicity assay of calcium oxalate dihydrate crystals in various shapes. <i>CrystEngComm</i> , 2016, 18, 5463-5473.	1.3	22
35	Adhesion and internalization differences of COM nanocrystals on Vero cells before and after cell damage. <i>Materials Science and Engineering C</i> , 2016, 59, 286-295.	3.8	18
36	Size-dependent toxicity and interactions of calcium oxalate dihydrate crystals on Vero renal epithelial cells. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1864-1878.	2.9	20

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37	Preparation, characterization, and in vitro cytotoxicity of COM and COD crystals with various sizes. <i>Materials Science and Engineering C</i> , 2015, 57, 147-156.	3.8	33
38	Mechanism of cytotoxicity of micron/nano calcium oxalate monohydrate and dihydrate crystals on renal epithelial cells. <i>RSC Advances</i> , 2015, 5, 45393-45406.	1.7	15