

# Marisa Masumi Beppu

## List of Publications by Year in descending order

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33  
papers

2,352  
citations

471509

17  
h-index

477307

29  
g-index

34  
all docs

34  
docs citations

34  
times ranked

3701  
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural-based plasticizers and biopolymer films: A review. <i>European Polymer Journal</i> , 2011, 47, 254-263.	5.4	1,425
2	Polyvinylchloride (PVC) and natural rubber films plasticized with a natural polymeric plasticizer obtained through polyesterification of rice fatty acid. <i>Polymer Testing</i> , 2011, 30, 478-484.	4.8	177
3	An XPS study of chromate and vanadate sorption mechanism by chitosan membrane containing copper nanoparticles. <i>Chemical Engineering Journal</i> , 2013, 234, 423-429.	12.7	108
4	Preparation and Characterization of Insoluble Silk Fibroin/Chitosan Blend Films. <i>Polymers</i> , 2010, 2, 719-727.	4.5	83
5	Characterization and in vitro evaluation of chitosan/konjac glucomannan bilayer film as a wound dressing. <i>Carbohydrate Polymers</i> , 2019, 212, 59-66.	10.2	64
6	Biocomposite membranes of sodium alginate and silk fibroin fibers for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3451-3457.	2.6	46
7	Hydrogels from silk fibroin metastable solution: Formation and characterization from a biomaterial perspective. <i>Materials Science and Engineering C</i> , 2011, 31, 997-1001.	7.3	42
8	Epoxidation of modified natural plasticizer obtained from rice fatty acids and application on polyvinylchloride films. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3543-3549.	2.6	42
9	Silk fibroin and sodium alginate blend: Miscibility and physical characteristics. <i>Materials Science and Engineering C</i> , 2014, 40, 85-91.	7.3	37
10	Synthesis and application of natural polymeric plasticizer obtained through polyesterification of rice fatty acid. <i>Materials Research</i> , 2014, 17, 386-391.	1.3	32
11	Effect of freezing methods on the properties of lyophilized porous silk fibroin membranes. <i>Materials Research</i> , 2009, 12, 233-237.	1.3	28
12	Formation of silk fibroin hydrogel and evaluation of its drug release profile. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	28
13	In vitro evaluation of anti-calcification and anti-coagulation on sulfonated chitosan and carrageenan surfaces. <i>Materials Science and Engineering C</i> , 2016, 59, 241-248.	7.3	27
14	Precipitation of calcium phosphate and calcium carbonate induced over chitosan membranes: A quick method to evaluate the influence of polymeric matrices in heterogeneous calcification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 53, 15-22.	5.0	24
15	PAA influence on chitosan membrane calcification. <i>Materials Science and Engineering C</i> , 2003, 23, 651-658.	7.3	20
16	Glucomannan asymmetric membranes for wound dressing. <i>Journal of Materials Research</i> , 2019, 34, 481-489.	2.6	20
17	Factors Controlling the Deposition of Silk Fibroin Nanofibrils during Layer-by-Layer Assembly. <i>Biomacromolecules</i> , 2015, 16, 97-104.	5.4	19
18	Production and characterization of fibroin hydrogel using waste silk fibers. <i>Fibers and Polymers</i> , 2017, 18, 57-63.	2.1	19

#	ARTICLE	IF	CITATIONS
19	Introduction of copper nanoparticles in chitosan matrix as strategy to enhance chromate adsorption. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014, 83, 43-48.	3.6	13
20	Phase Diagram and Estimation of Flory-Huggins Parameter of Interaction of Silk Fibroin/Sodium Alginate Blends. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 973.	4.1	13
21	Influence of Acetylation on In Vitro Chitosan Membrane Biomineralization. <i>Key Engineering Materials</i> , 2003, 254-256, 311-314.	0.4	11
22	Surface modification of polyelectrolyte multilayers by high radio frequency air plasma treatment. <i>Applied Surface Science</i> , 2015, 329, 287-291.	6.1	11
23	Dynamic adsorption of chromium ions onto natural and crosslinked chitosan membranes for wastewater treatment. <i>Materials Research</i> , 2010, 13, 89-94.	1.3	10
24	Improvement of Collagen Hydrogel Scaffolds Properties by the Addition of Konjac Glucomannan. <i>Advanced Materials Research</i> , 0, 409, 187-192.	0.3	10
25	Investigation on the biomimetic influence of biopolymers on calcium phosphate precipitation Part 1: Alginate. <i>Materials Science and Engineering C</i> , 2009, 29, 1109-1113.	7.3	9
26	Investigation on the biomimetic influence of biopolymers on calcium phosphate precipitation-part 2: Chitosan. <i>Materials Science and Engineering C</i> , 2008, 28, 1565-1571.	7.3	8
27	Silk fibroin membranes with self-assembled globular structures for controlled drug release. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48763.	2.6	8
28	Study of phase separation in blends of silk fibroin and sodium alginate in solution and in solid state. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	6
29	In Vitro Calcification of Silk Fibroin Hydrogel. <i>Key Engineering Materials</i> , 2008, 361-363, 503-506.	0.4	5
30	Silk Fibroin: A Promising Biomaterial. <i>Advanced Materials Research</i> , 2011, 409, 99-104.	0.3	3
31	Fundamentals and biomedical applications of biopolymer-based layer-by-layer films. , 2020, , 219-242.		3
32	In Situ X-Ray Diffraction Study of Phase Development during Hardening of $\beta$ -Tricalcium Phosphate Bone Cements with Chitosan. <i>Key Engineering Materials</i> , 0, 587, 109-114.	0.4	1
33	Membranes of Chitosan and Collagen-Type 1 for Biomineralization/Osteogenesis. <i>Key Engineering Materials</i> , 0, 587, 222-226.	0.4	0