

Nathan Ravi

List of Publications by Year in descending order

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papers

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Vitreous Substitutes: A Comprehensive Review. <i>Survey of Ophthalmology</i> , 2011, 56, 300-323.	1.7	171
2	Optimizing the Synthesis of Red-Emissive Nitrogen-Doped Carbon Dots for Use in Bioimaging. <i>ACS Applied Nano Materials</i> , 2018, 1, 3682-3692.	2.4	80
3	Biocompatibility of gold nanoparticles in retinal pigment epithelial cell line. <i>Toxicology in Vitro</i> , 2016, 37, 61-69.	1.1	66
4	Hyaluronan-Conjugated Carbon Quantum Dots for Bioimaging Use. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 277-286.	4.0	64
5	Biomimetic hydrogel with tunable mechanical properties for vitreous substitutes. <i>Acta Biomaterialia</i> , 2016, 43, 327-337.	4.1	51
6	Hyaluronate coating enhances the delivery and biocompatibility of gold nanoparticles. <i>Carbohydrate Polymers</i> , 2018, 186, 243-251.	5.1	32
7	Characterization of the network properties of poly(ethylene glycol)-acrylate hydrogels prepared by variations in the ethanol-water solvent composition during crosslinking copolymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 2677-2684.	2.4	29
8	Comparison of the behavior of natural and refilled porcine lenses in a robotic lens stretcher. <i>Experimental Eye Research</i> , 2009, 88, 483-494.	1.2	28
9	Investigating thiol-modification on hyaluronan via carbodiimide chemistry using response surface methodology. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 2300-2308.	2.1	23
10	Synthesis and characterization of <i>in situ</i> forming anionic hydrogel as vitreous substitutes. , 2017, 105, 977-988.		23
11	Redox-Responsive Hyaluronic Acid-Based Nanogels for the Topical Delivery of the Visual Chromophore to Retinal Photoreceptors. <i>ACS Omega</i> , 2021, 6, 6172-6184.	1.6	22
12	Hydrogel Nanocomposite as a Synthetic Intra-Ocular Lens Capable of Accommodation. <i>Macromolecular Symposia</i> , 2005, 227, 191-202.	0.4	21
13	Synthesis and Characterization of Injectable Sulfonate-Containing Hydrogels. <i>Biomacromolecules</i> , 2016, 17, 4064-4074.	2.6	20
14	Development of a Vitreous Substitute: Incorporating Charges and Fibrous Structures in Synthetic Hydrogel Materials. <i>Macromolecules</i> , 2016, 49, 4619-4626.	2.2	20
15	Hydrogels as potential probes for investigating the mechanism of lenticular presbyopia. <i>Current Eye Research</i> , 2001, 22, 384-393.	0.7	17
16	Formation of nanogel aggregates by an amphiphilic cholesteryl-poly(amidoamine) dendrimer in aqueous media. <i>Journal of Polymer Science Part A</i> , 2007, 45, 2569-2575.	2.5	17
17	Bioinspired Thermosensitive Hydrogel as a Vitreous Substitute: Synthesis, Properties, and Progress of Animal Studies. <i>Materials</i> , 2020, 13, 1337.	1.3	17
18	Material Characterization of Porcine Lenticular Soluble Proteins. <i>Biomacromolecules</i> , 2008, 9, 1519-1526.	2.6	15

#	ARTICLE	IF	CITATIONS
19	Investigating the Effects of Stove Emissions on Ocular and Cancer Cells. Scientific Reports, 2019, 9, 1870.	1.6	15
20	Bioinspired Fibrillary Hydrogel with Controlled Swelling Behavior: Applicability as an Artificial Vitreous. ACS Applied Bio Materials, 2019, 2, 70-80.	2.3	15
21	Hyaluronic Acid-Based Gold Nanoparticles for the Topical Delivery of Therapeutics to the Retina and the Retinal Pigment Epithelium. Polymers, 2021, 13, 3324.	2.0	13
22	Preparation and Characterization of Biomimetic $\hat{1}^2$ -Lens Crystallins Using Single-Chain Polymeric Nanoparticles. Langmuir, 2017, 33, 7660-7668.	1.6	11
23	Investigating triazine-based modification of hyaluronan using statistical designs. Carbohydrate Polymers, 2015, 132, 472-480.	5.1	10
24	Surface Hydrophobic Modification of Fifth-Generation Hydroxyl-Terminated Poly(amidoamine) Dendrimers and Its Effect on Biocompatibility and Rheology. Materials, 2009, 2, 883-902.	1.3	9
25	Discrete Event Simulation and Real Time Locating Systems. International Journal of E-Adoption, 2012, 4, 16-28.	1.0	1
26	A Novel Use for Real Time Locating Systems. International Journal of Healthcare Delivery Reform Initiatives, 2010, 2, 11-19.	0.0	0