

# Yi-Cheun Yeh

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

2,773  
citations

394286

19  
h-index

377752

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

5432  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold nanoparticles: preparation, properties, and applications in bionanotechnology. <i>Nanoscale</i> , 2012, 4, 1871-1880.	2.8	1,067
2	Supramolecular regulation of bioorthogonal catalysis in cells using nanoparticle-embedded transition metal catalysts. <i>Nature Chemistry</i> , 2015, 7, 597-603.	6.6	395
3	Three-dimensional extrusion bioprinting of single- and double-network hydrogels containing dynamic covalent crosslinks. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 865-875.	2.1	218
4	Engineering the nanoparticle-protein interface: applications and possibilities. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 828-834.	2.8	161
5	Stability of quantum dots in live cells. <i>Nature Chemistry</i> , 2011, 3, 963-968.	6.6	121
6	Dendronized Gold Nanoparticles for siRNA Delivery. <i>Small</i> , 2012, 8, 3253-3256.	5.2	104
7	Co-Delivery of Protein and Small Molecule Therapeutics Using Nanoparticle-Stabilized Nanocapsules. <i>Bioconjugate Chemistry</i> , 2015, 26, 950-954.	1.8	73
8	Mechanically dynamic PDMS substrates to investigate changing cell environments. <i>Biomaterials</i> , 2017, 145, 23-32.	5.7	68
9	3D printing of photocurable poly(glycerol sebacate) elastomers. <i>Biofabrication</i> , 2016, 8, 045004.	3.7	67
10	Norbornene-modified poly(glycerol sebacate) as a photocurable and biodegradable elastomer. <i>Polymer Chemistry</i> , 2017, 8, 5091-5099.	1.9	46
11	Engineering nanocomposite hydrogels using dynamic bonds. <i>Acta Biomaterialia</i> , 2021, 130, 66-79.	4.1	43
12	Direct patterning of quantum dot nanostructures via electron beam lithography. <i>Journal of Materials Chemistry</i> , 2011, 21, 16859.	6.7	41
13	Determination of the Intracellular Stability of Gold Nanoparticle Monolayers Using Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 4321-4326.	3.2	40
14	Differentiation of cancer cell type and phenotype using quantum dot-gold nanoparticle sensor arrays. <i>Cancer Letters</i> , 2013, 334, 196-201.	3.2	35
15	Direct Patterning of Engineered Ionic Gold Nanoparticles via Nanoimprint Lithography. <i>Advanced Materials</i> , 2012, 24, 6330-6334.	11.1	32
16	The role of ligand coordination on the cytotoxicity of cationic quantum dots in HeLa cells. <i>Nanoscale</i> , 2013, 5, 12140.	2.8	30
17	Fabrication of Robust Protein Films Using Nanoimprint Lithography. <i>Advanced Materials</i> , 2015, 27, 6251-6255.	11.1	29
18	Fabrication of Multiresponsive Bioactive Nanocapsules through Orthogonal Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2014, 53, n/a-n/a.	7.2	22

#	ARTICLE	IF	CITATIONS
19	Smart near infrared-responsive nanocomposite hydrogels for therapeutics and diagnostics. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7100-7116.	2.9	21
20	Mass Spectrometric Detection of Nanoparticle Host-Guest Interactions in Cells. <i>Analytical Chemistry</i> , 2014, 86, 6710-6714.	3.2	19
21	Development of a PCL-PEO double network colorimetric pH sensor using electrospun fibers containing <i>Hibiscus rosa sinensis</i> extract and silver nanoparticles for food monitoring. <i>Food Chemistry</i> , 2022, 368, 130813.	4.2	19
22	Formation of highly elastomeric and property-tailorable poly(glycerol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (sebacate)- <i>in situ</i> Biomaterials Science, 2020, 8, 4728-4738.	2.6	16
23	Progress in the drug encapsulation of poly(lactic-co-glycolic acid) and folate-decorated poly(ethylene glycol)-poly(lactic-co-glycolic acid) conjugates for selective cancer treatment. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4127-4141.	2.9	16
24	Supramolecular Functionalization of Electron-Beam Generated Nanostructures. <i>Langmuir</i> , 2011, 27, 1543-1545.	1.6	15
25	<i>In situ</i> formation of nanocomposite double-network hydrogels with shear-thinning and self-healing properties. <i>Biomaterials Science</i> , 2021, 9, 985-999.	2.6	14
26	Fabrication of Multiresponsive Magnetic Nanocomposite Double-Network Hydrogels for Controlled Release Applications. <i>Small</i> , 2021, 17, e2105997.	5.2	13
27	Encapsulation of $\beta$ -Glucosidase within PVA Fibers by CCD-RSM-Guided Coelectrospinning: A Novel Approach for Specific Mogroside Sweetener Production. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 11790-11801.	2.4	12
28	Patterning of Protein/Quantum Dot Hybrid Bionanostructures. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 227-232.	1.9	9
29	Poly(glycerol sebacate)-poly(ethylene glycol)/Gelatin Hybrid Hydrogels as Biocompatible Biomaterials for Cell Proliferation and Spreading. <i>Macromolecular Bioscience</i> , 2021, 21, e2100248.	2.1	7
30	Recognition-Mediated Assembly of Quantum Dot Polymer Conjugates with Controlled Morphology. <i>International Journal of Molecular Sciences</i> , 2011, 12, 6357-6366.	1.8	6
31	The Role of Aldehyde-Functionalized Crosslinkers on the Property of Chitosan Hydrogels. <i>Macromolecular Bioscience</i> , 2022, 22, e2100477.	2.1	6
32	Fabrication of water-resistant, thermally stable, and antibacterial fibers through <i>in situ</i> multivalent crosslinking. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	4
33	Di(2-picoyl)amine-functionalized poly(ethylene glycol) hydrogels with tailorable metal-ligand coordination crosslinking. <i>Polymer Chemistry</i> , 2021, 12, 6626-6639.	1.9	2
34	Ultrasound-triggered hydrogel formation through thiol-norbornene reaction. <i>Chemical Communications</i> , 2022, , .	2.2	2
35	Fabrication of Multiresponsive Magnetic Nanocomposite Double-Network Hydrogels for Controlled Release Applications ( <i>Small</i> 52/2021). <i>Small</i> , 2021, 17, .	5.2	0