

Saadyah E Averick

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9467466/publications.pdf>

Version: 2024-02-01

83
papers

3,106
citations

147801

31
h-index

168389

53
g-index

87
all docs

87
docs citations

87
times ranked

3493
citing authors

#	ARTICLE	IF	CITATIONS
1	Aqueous ARGET ATRP. <i>Macromolecules</i> , 2012, 45, 6371-6379.	4.8	331
2	ICAR ATRP with ppm Cu Catalyst in Water. <i>Macromolecules</i> , 2012, 45, 4461-4468.	4.8	228
3	ATRP under Biologically Relevant Conditions: Grafting from a Protein. <i>ACS Macro Letters</i> , 2012, 1, 6-10.	4.8	224
4	Genetically Encoded Initiator for Polymer Growth from Proteins. <i>Journal of the American Chemical Society</i> , 2010, 132, 13575-13577.	13.7	122
5	Synthesis of Monofunctional Curcumin Derivatives, Clicked Curcumin Dimer, and a PAMAM Dendrimer Curcumin Conjugate for Therapeutic Applications. <i>Organic Letters</i> , 2007, 9, 5461-5464.	4.6	120
6	Bioinspired Iron-Based Catalyst for Atom Transfer Radical Polymerization. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12148-12151.	13.8	98
7	Solid-Phase Incorporation of an ATRP Initiator for Polymer-DNA Biohybrids. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2739-2744.	13.8	85
8	Clicked-Sugar-Curcumin Conjugate: Modulator of Amyloid- β^2 and Tau Peptide Aggregation at Ultralow Concentrations. <i>ACS Chemical Neuroscience</i> , 2011, 2, 694-699.	3.5	79
9	Preparation of Cationic Nanogels for Nucleic Acid Delivery. <i>Biomacromolecules</i> , 2012, 13, 3445-3449.	5.4	71
10	Star Polymers with a Cationic Core Prepared by ATRP for Cellular Nucleic Acids Delivery. <i>Biomacromolecules</i> , 2013, 14, 1262-1267.	5.4	68
11	Covalently incorporated protein nanogels using AGET ATRP in an inverse miniemulsion. <i>Polymer Chemistry</i> , 2011, 2, 1476.	3.9	66
12	Synthesis of Amphiphilic Poly(<i>N</i> -vinylpyrrolidone)- <i>b</i> -poly(vinyl acetate) Molecular Bottlebrushes. <i>ACS Macro Letters</i> , 2012, 1, 227-231.	4.8	62
13	pH-Responsive Fluorescent Molecular Bottlebrushes Prepared by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2011, 44, 5905-5910.	4.8	61
14	Bright Fluorescent Nanotags from Bottlebrush Polymers with DNA-Tipped Bristles. <i>ACS Central Science</i> , 2015, 1, 431-438.	11.3	58
15	Well-defined biohybrids using reversible-deactivation radical polymerization procedures. <i>Journal of Controlled Release</i> , 2015, 205, 45-57.	9.9	57
16	Direct DNA Conjugation to Star Polymers for Controlled Reversible Assemblies. <i>Bioconjugate Chemistry</i> , 2011, 22, 2030-2037.	3.6	56
17	Biocompatible Polymeric Analogues of DMSO Prepared by Atom Transfer Radical Polymerization. <i>Biomacromolecules</i> , 2017, 18, 475-482.	5.4	54
18	The best of both worlds: active enzymes by grafting-to followed by grafting-from a protein. <i>Chemical Communications</i> , 2015, 51, 5343-5346.	4.1	46

#	ARTICLE	IF	CITATIONS
19	Autotransfecting Short Interfering RNA through Facile Covalent Polymer Escorts. <i>Journal of the American Chemical Society</i> , 2013, 135, 12508-12511.	13.7	45
20	Synthesis of cationic poly((3-acrylamidopropyl)trimethylammonium chloride) by SARA ATRP in ecofriendly solvent mixtures. <i>Polymer Chemistry</i> , 2014, 5, 5829-5836.	3.9	41
21	Combination of AGET ATRP and SuFEx for post-polymerization chain-end modifications. <i>Polymer</i> , 2015, 78, 37-41.	3.8	41
22	Dendrimer-Curcumin Conjugate: A Water Soluble and Effective Cytotoxic Agent Against Breast Cancer Cell Lines. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013, 13, 1531-1539.	1.7	40
23	Straightforward ARGET ATRP for the Synthesis of Primary Amine Polymethacrylate with Improved Chain-End Functionality under Mild Reaction Conditions. <i>Macromolecules</i> , 2014, 47, 4615-4621.	4.8	39
24	Synthesis of Poly(meth)acrylates with Thioether and Tertiary Sulfonium Groups by ARGET ATRP and Their Use as siRNA Delivery Agents. <i>Biomacromolecules</i> , 2015, 16, 236-245.	5.4	39
25	Synthesis of lipase polymer hybrids with retained or enhanced activity using the grafting-from strategy. <i>Polymer</i> , 2018, 137, 338-345.	3.8	38
26	Countermeasures for Preventing and Treating Opioid Overdose. <i>Clinical Pharmacology and Therapeutics</i> , 2021, 109, 578-590.	4.7	38
27	A Protein-Polymer Hybrid Mediated By DNA. <i>Langmuir</i> , 2012, 28, 1954-1958.	3.5	35
28	Why synthesize protein-polymer conjugates? The stability and activity of chymotrypsin-polymer bioconjugates synthesized by RAFT. <i>Polymer</i> , 2015, 72, 382-386.	3.8	35
29	Direct introduction of R-SO ₂ F moieties into proteins and protein-polymer conjugation using SuFEx chemistry. <i>Polymer</i> , 2016, 99, 7-12.	3.8	35
30	Monoclonal Antibodies Counteract Opioid-Induced Behavioral and Toxic Effects in Mice and Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 375, 469-477.	2.5	33
31	Cooperative, Reversible Self-Assembly of Covalently Pre-Linked Proteins into Giant Fibrous Structures. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8050-8055.	13.8	32
32	SuFEx Postpolymerization Modification Kinetics and Reactivity in Polymer Brushes. <i>Macromolecules</i> , 2018, 51, 297-305.	4.8	32
33	A General Methodology Toward Drug/Dye Incorporated Living Copolymer-Protein Hybrids: (NIRF) Tj ETQq1 1 0.784314 rgBT /Overlook 1595-1601.	3.6	31
34	Clickable poly(ionic liquid)s for modification of glass and silicon surfaces. <i>Polymer</i> , 2014, 55, 3330-3338.	3.8	30
35	Stackable, Covalently Fused Gels: Repair and Composite Formation. <i>Macromolecules</i> , 2015, 48, 1169-1178.	4.8	30
36	Phototunable Supersoft Elastomers using Coumarin Functionalized Molecular Bottlebrushes for Cell-Surface Interactions Study. <i>Macromolecules</i> , 2014, 47, 7852-7857.	4.8	28

#	ARTICLE	IF	CITATIONS
37	Protein-polymer hybrids: Conducting ARGET ATRP from a genetically encoded cleavable ATRP initiator. <i>European Polymer Journal</i> , 2013, 49, 2919-2924.	5.4	25
38	Cationic Hyperbranched Polymers with Biocompatible Shells for siRNA Delivery. <i>Biomacromolecules</i> , 2018, 19, 3754-3765.	5.4	25
39	Therapeutic and Prophylactic Vaccines to Counteract Fentanyl Use Disorders and Toxicity. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 14647-14667.	6.4	25
40	Smart heparin-based bioconjugates synthesized by a combination of ATRP and click chemistry. <i>Polymer Chemistry</i> , 2013, 4, 2800.	3.9	24
41	Complementary Dynamic Chemistries for Multifunctional Polymeric Materials. <i>Advanced Functional Materials</i> , 0, , 2108431.	14.9	24
42	Multifunctional Hydrogels with Reversible 3D Ordered Macroporous Structures. <i>Advanced Science</i> , 2015, 2, 1500069.	11.2	23
43	Grafting challenging monomers from proteins using aqueous ICAR ATRP under bio-relevant conditions. <i>Polymer Chemistry</i> , 2017, 8, 3992-3998.	3.9	21
44	Iron Oxide Nanoparticles with Grafted Polymeric Analogue of Dimethyl Sulfoxide as Potential Magnetic Resonance Imaging Contrast Agents. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21901-21908.	8.0	21
45	Multifunctional photo-crosslinked polymeric ionic hydrogel films. <i>Polymer Chemistry</i> , 2014, 5, 2824-2835.	3.9	20
46	Cationic Nanogel-mediated Runx2 and Osterix siRNA Delivery Decreases Mineralization in MC3T3 Cells. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 2139-2149.	1.5	20
47	Cationic Nanostructured Polymers for siRNA Delivery in Murine Calvarial Pre-Osteoblasts. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 1130-1136.	1.1	19
48	Extended-release of opioids using fentanyl-based polymeric nanoparticles for enhanced pain management. <i>RSC Advances</i> , 2017, 7, 47904-47912.	3.6	18
49	Covalent Poly(lactic acid) Nanoparticles for the Sustained Delivery of Naloxone. <i>ACS Applied Bio Materials</i> , 2019, 2, 3418-3428.	4.6	18
50	In-situ Chemiluminescence-Driven Reversible Addition-Fragmentation Chain-Transfer Photopolymerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11826-11829.	13.8	18
51	Grafting-from lipase: utilization of a common amino acid residue as a new grafting site. <i>Polymer Chemistry</i> , 2018, 9, 4651-4659.	3.9	17
52	Covalent Attachment of P15 Peptide to Ti Alloy Surface Modified with Polymer to Enhance Osseointegration of Implants. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38531-38536.	8.0	16
53	Osteoconductive Enhancement of Polyether Ether Ketone: A Mild Covalent Surface Modification Approach. <i>ACS Applied Bio Materials</i> , 2018, 1, 1047-1055.	4.6	15
54	A comparative study of three biomaterials in an ovine bone defect model. <i>Spine Journal</i> , 2020, 20, 457-464.	1.3	15

#	ARTICLE	IF	CITATIONS
55	Slow-sustained delivery of naloxone reduces typical naloxone-induced precipitated opioid withdrawal effects in male morphine-dependent mice. <i>Journal of Neuroscience Research</i> , 2022, 100, 339-352.	2.9	15
56	Nanogel-Mediated RNAi Against Runx2 and Osx Inhibits Osteogenic Differentiation in Constitutively Active BMPRII Osteoblasts. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 1139-1150.	5.2	12
57	Fentanyl Initiated Polymers Prepared by ATRP for Targeted Delivery. <i>Bioconjugate Chemistry</i> , 2017, 28, 1251-1259.	3.6	12
58	Organic Conductive Fibers as Nonmetallic Electrodes and Neural Interconnects. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 7866-7871.	3.7	12
59	Grafting strategies for the synthesis of active DNase I polymer biohybrids. <i>European Polymer Journal</i> , 2018, 107, 15-24.	5.4	10
60	Toward Next-Generation Biohybrid Catalyst Design: Influence of Degree of Polymerization on Enzyme Activity. <i>Bioconjugate Chemistry</i> , 2020, 31, 939-947.	3.6	10
61	Preclinical Efficacy and Selectivity of Vaccines Targeting Fentanyl, Alfentanil, Sufentanil, and Acetylfentanyl in Rats. <i>ACS Omega</i> , 0, , .	3.5	10
62	Synthesis and biological evaluation of fentanyl acrylic derivatives. <i>RSC Advances</i> , 2017, 7, 20015-20019.	3.6	9
63	Investigation of 3D-printed PLA-stainless steel polymeric composite through fused deposition modelling-based additive manufacturing process for biomedical applications. <i>Medical Devices & Sensors</i> , 2020, 3, e10080.	2.7	8
64	Polymer Modification of Lipases, Substrate Interactions, and Potential Inhibition. <i>Biomacromolecules</i> , 2021, 22, 309-318.	5.4	8
65	Covalently Loaded Naloxone Nanoparticles as a Long-Acting Medical Countermeasure to Opioid Poisoning. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1654-1664.	4.9	8
66	Efficacy and Selectivity of Monovalent and Bivalent Vaccination Strategies to Protect against Exposure to Carfentanil, Fentanyl, and Their Mixtures in Rats. <i>ACS Pharmacology and Translational Science</i> , 2022, 5, 331-343.	4.9	8
67	Bioinspired Iron-Based Catalyst for Atom Transfer Radical Polymerization. <i>Angewandte Chemie</i> , 2013, 125, 12370-12373.	2.0	7
68	SuFEx-based strategies for the preparation of functional particles and cation exchange resins. <i>Chemical Communications</i> , 2019, 55, 3891-3894.	4.1	7
69	Prevention of Implant-Associated Infection in Neuromodulation: Review of the Literature and Prototype of a Novel Protective Implant Coating. <i>Surgical Infections</i> , 2020, 21, 378-383.	1.4	7
70	Dual pH-Responsive and Tumor-Targeted Nanoparticle-Mediated Anti-Angiogenesis siRNA Delivery for Tumor Treatment. <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 953-967.	6.7	7
71	Promoting Adipogenesis Using a Collagen VI-Heparin Sulfate Coating: Applications in Tissue Engineering for Wound Healing. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 12687-12692.	3.7	6
72	Post-polymerization functionalization of epoxide-containing copolymers in trifluoroethanol for synthesis of polymer-drug conjugates. <i>Polymer</i> , 2016, 99, 59-62.	3.8	6

#	ARTICLE	IF	CITATIONS
73	In Vivo GFP Knockdown by Cationic Nanogel-siRNA Polyplexes. <i>Bioengineering</i> , 2015, 2, 160-175.	3.5	5
74	Synthesis of Reactive Polymers for Acrolein Capture Using AGET ATRP. <i>Molecular Pharmaceutics</i> , 2015, 12, 3776-3781.	4.6	5
75	Grafting polymer brushes by ATRP from functionalized poly(ether ether ketone) microparticles. <i>Polymers for Advanced Technologies</i> , 2021, 32, 3948-3954.	3.2	5
76	Polymer grafting from a metallocentered enzyme improves activity in nonnative environments. <i>Polymer International</i> , 2021, 70, 775-782.	3.1	4
77	Design, synthesis, and biological evaluation of C ₆ -difluoromethylenated epoxymorphinan Mu opioid receptor antagonists. <i>RSC Medicinal Chemistry</i> , 2022, 13, 175-182.	3.9	3
78	Development and Characterization of Novel Conductive Sensing Fibers for In Vivo Nerve Stimulation. <i>Sensors</i> , 2021, 21, 7581.	3.8	1
79	Colloidal Crystals: Multifunctional Hydrogels with Reversible 3D Ordered Macroporous Structures (<i>Adv. Sci.</i> 5/2015). <i>Advanced Science</i> , 2015, 2, .	11.2	0
80	In situ Chemiluminescence-Driven Reversible Addition-Fragmentation Chain-Transfer Photopolymerization. <i>Angewandte Chemie</i> , 2019, 131, 11952-11955.	2.0	0
81	A covalent poly(lactic acid) naloxone nanoparticle reduces fentanyl-induced poisoning in rats. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
82	Recent Advances in PolyArylEtherKetones and Their In Vitro Evaluation for Hard Tissue Applications. , 2021, , 423-437.		0
83	Recent Advances in PolyArylEtherKetones and Their In Vitro Evaluation for Hard Tissue Applications. , 2020, , 1-15.		0