

# Tetiana Dumych

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,727  
citations

331670

21  
h-index

276875

41  
g-index

46  
all docs

46  
docs citations

46  
times ranked

3181  
citing authors

#	ARTICLE	IF	CITATIONS
1	To NET or not to NET:current opinions and state of the science regarding the formation of neutrophil extracellular traps. <i>Cell Death and Differentiation</i> , 2019, 26, 395-408.	11.2	295
2	Lysosome-Targeting Amplifiers of Reactive Oxygen Species as Anticancer Prodrugs. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15545-15549.	13.8	132
3	Nanoparticles size-dependently initiate self-limiting NETosis-driven inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5856-E5865.	7.1	128
4	Neutrophil Extracellular Traps Initiate Gallstone Formation. <i>Immunity</i> , 2019, 51, 443-450.e4.	14.3	115
5	Macrophages Discriminate Glycosylation Patterns of Apoptotic Cell-derived Microparticles. <i>Journal of Biological Chemistry</i> , 2012, 287, 496-503.	3.4	85
6	Thiazolylaminomannosides As Potent Antiadhesives of Type 1 Piliated <i>Escherichia coli</i> Isolated from Crohn's Disease Patients. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 5395-5406.	6.4	79
7	Reduced Graphene-Oxide-Embedded Polymeric Nanofiber Mats: An "On-Demand" Photothermally Triggered Antibiotic Release Platform. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 41098-41106.	8.0	75
8	ROS-Responsive N-Alkylaminoferrocenes for Cancer-Cell-Specific Targeting of Mitochondria. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11943-11946.	13.8	74
9	Plasmonic photothermal cancer therapy with gold nanorods/reduced graphene oxide core/shell nanocomposites. <i>RSC Advances</i> , 2016, 6, 1600-1610.	3.6	70
10	Glycopolymers as Antiadhesives of <i>E. coli</i> Strains Inducing Inflammatory Bowel Diseases. <i>Biomacromolecules</i> , 2015, 16, 1827-1836.	5.4	58
11	Neutrophil Extracellular Traps Form a Barrier between Necrotic and Viable Areas in Acute Abdominal Inflammation. <i>Frontiers in Immunology</i> , 2016, 7, 424.	4.8	58
12	The Antiadhesive Strategy in Crohn's Disease: Orally Active Mannosides to Decolonize Pathogenic <i>Escherichia coli</i> from the Gut. <i>ChemBioChem</i> , 2016, 17, 936-952.	2.6	46
13	Second generation of thiazolylmannosides, FimH antagonists for <i>E. coli</i> -induced Crohn's disease. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3913-3925.	2.8	43
14	Flexible Nanoholey Patches for Antibiotic-Free Treatments of Skin Infections. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 36665-36674.	8.0	42
15	Aluminum oxide nanowires as safe and effective adjuvants for next-generation vaccines. <i>Materials Today</i> , 2019, 22, 58-66.	14.2	30
16	Inert Coats of Magnetic Nanoparticles Prevent Formation of Occlusive Intravascular Co-aggregates With Neutrophil Extracellular Traps. <i>Frontiers in Immunology</i> , 2018, 9, 2266.	4.8	29
17	Blood-borne phagocytes internalize urate microaggregates and prevent intravascular NETosis by urate crystals. <i>Scientific Reports</i> , 2016, 6, 38229.	3.3	28
18	Sialylation of anti-histone immunoglobulin G autoantibodies determines their capabilities to participate in the clearance of late apoptotic cells. <i>Clinical and Experimental Immunology</i> , 2016, 184, 110-117.	2.6	26

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19	Highly effective photodynamic inactivation of <i>E. coli</i> using gold nanorods/SiO <sub>2</sub> core-shell nanostructures with embedded verteporfin. <i>Chemical Communications</i> , 2015, 51, 16365-16368.	4.1	25
20	A blast without power – cell death induced by the tuberculosis-necrotizing toxin fails to elicit adequate immune responses. <i>Cell Death and Differentiation</i> , 2016, 23, 1016-1025.	11.2	22
21	Comparative study of membranotropic action of single- and multi-walled carbon nanotubes. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 674-679.	2.2	21
22	ROS-Responsive N-Alkylaminoferrocenes for Cancer-Cell-Specific Targeting of Mitochondria. <i>Angewandte Chemie</i> , 2018, 130, 12119-12122.	2.0	21
23	Neutrophil-released enzymes can influence composition of circulating immune complexes in multiple sclerosis. <i>Autoimmunity</i> , 2018, 51, 297-303.	2.6	18
24	Particle-based photodynamic therapy based on indocyanine green modified plasmonic nanostructures for inactivation of a Crohn's disease-associated <i>Escherichia coli</i> strain. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2598-2605.	5.8	17
25	Sweet kiss of dying cell: Sialidase activity on apoptotic cell is able to act toward its neighbors. <i>Autoimmunity</i> , 2012, 45, 574-578.	2.6	16
26	Affinity of Glycan-Modified Nanodiamonds towards Lectins and Uropathogenic <i>Escherichia Coli</i> . <i>ChemNanoMat</i> , 2016, 2, 307-314.	2.8	16
27	Effect of iron-doped multi-walled carbon nanotubes on lipid model and cellular plasma membranes. <i>Materials Science and Engineering C</i> , 2012, 32, 1486-1489.	7.3	15
28	Surface Plasmon Resonance (SPR) for the Evaluation of Shear-Force-Dependent Bacterial Adhesion. <i>Biosensors</i> , 2015, 5, 276-287.	4.7	15
29	Desialylation of dying cells with catalytically active antibodies possessing sialidase activity facilitate their clearance by human macrophages. <i>Clinical and Experimental Immunology</i> , 2014, 179, 17-23.	2.6	15
30	Improved photodynamic effect through encapsulation of two photosensitizers in lipid nanocapsules. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5949-5963.	5.8	15
31	Oligomannose-Rich Membranes of Dying Intestinal Epithelial Cells Promote Host Colonization by Adherent-Invasive <i>E. coli</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 742.	3.5	15
32	Physiochemical Tuning of Potent <i>Escherichia coli</i> Anti-Adhesives by Microencapsulation and Methylene Homologation. <i>ChemMedChem</i> , 2017, 12, 986-998.	3.2	14
33	A Novel Integrated Way for Deciphering the Glycan Code for the FimH Lectin. <i>Molecules</i> , 2018, 23, 2794.	3.8	13
34	Glycosylation of random IgG distinguishes seropositive and seronegative rheumatoid arthritis. <i>Autoimmunity</i> , 2018, 51, 111-117.	2.6	12
35	Differentiation of Crohn's Disease-Associated Isolates from Other Pathogenic <i>Escherichia coli</i> by Fimbrial Adhesion under Shear Force. <i>Biology</i> , 2016, 5, 14.	2.8	11
36	<sup>125</sup> I-NaGdF <sub>4</sub> :Eu <sup>3+</sup> nanocrystal markers for melanoma tumor imaging. <i>RSC Advances</i> , 2016, 6, 57854-57862.	3.6	9

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37	(Invited) Lanthanides Fluorides Doped Nanocrystals for Biomedical Applications. ECS Transactions, 2014, 61, 115-125.	0.5	8
38	Visualization of melanoma tumor with lectin-conjugated rare-earth doped fluoride nanocrystals. Croatian Medical Journal, 2014, 55, 186-194.	0.7	6
39	Novel assay for direct fluorescent imaging of sialidase activity. , 2011, , .		4
40	Magnetic separation of apoptotic cells with lectin-conjugated microparticles. Materialwissenschaft Und Werkstofftechnik, 2016, 47, 189-192.	0.9	3
41	Aqueous medium-induced micropore formation in plasma polymerized polystyrene: an effective route to inhibit bacteria adhesion. Journal of Materials Chemistry B, 2018, 6, 3674-3683.	5.8	1
42	How Can the Death of Cells Be Useful For a Human Body?. Experimental and Clinical Physiology and Biochemistry, 2018, 2018, 77-85.	0.0	1
43	INVOLVEMENT OF NEUTROPHIL HYDROLYTIC ENZYMES IN THE MODIFICATION OF CIRCULATING IMMUNE COMPLEXES UNDER THE CIRCUMSTANCES OF EXPERIMENTAL SEPSIS. Proceedings of the Shevchenko Scientific Society Medical Sciences, 2019, 55, 31-39.	0.3	1
44	Die Rolle von granulozytären Chromatinnetzen (â€žNETsâ€œ) bei der Entstehung von Gallensteinen. Zeitschrift Fur Gastroenterologie, 2021, 59, .	0.5	0
45	Simple two-step covalent protein conjugation to PEG-coated nanocrystals. Ukrainian Biochemical Journal, 2018, 90, 8-12.	0.5	0