Tetiana Dumych

List of Publications by Year
in descending order

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45 papers	1,727 citations	331259 21 h-index	276539 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. Cell Death and Differentiation, 2019, 26, 395-408.	5.0	295
2	Lysosomeâ€Targeting Amplifiers of Reactive Oxygen Species as Anticancer Prodrugs. Angewandte Chemie - International Edition, 2017, 56, 15545-15549.	7.2	132
3	Nanoparticles size-dependently initiate self-limiting NETosis-driven inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5856-E5865.	3.3	128
4	Neutrophil Extracellular Traps Initiate Gallstone Formation. Immunity, 2019, 51, 443-450.e4.	6.6	115
5	Macrophages Discriminate Glycosylation Patterns of Apoptotic Cell-derived Microparticles. Journal of Biological Chemistry, 2012, 287, 496-503.	1.6	85
6	Thiazolylaminomannosides As Potent Antiadhesives of Type 1 Piliated Escherichia coli Isolated from Crohnâ€™s Disease Patients. Journal of Medicinal Chemistry, 2013, 56, 5395-5406.	2.9	79
7	Reduced Graphene-Oxide-Embedded Polymeric Nanofiber Mats: An â€œOn-Demandâ€•Photothermally Triggered Antibiotic Release Platform. ACS Applied Materials & Interfaces, 2018, 10, 41098-41106.	4.0	75
8	ROSâ€Responsive Nâ€Alkylaminoferrocenes for Cancerâ€Cellâ€Specific Targeting of Mitochondria. Angewandte Chemie - International Edition, 2018, 57, 11943-11946.	7.2	74
9	Plasmonic photothermal cancer therapy with gold nanorods/reduced graphene oxide core/shell nanocomposites. RSC Advances, 2016, 6, 1600-1610.	1.7	70
10	Glycopolymers as Antiadhesives of E. coli Strains Inducing Inflammatory Bowel Diseases. Biomacromolecules, 2015, 16, 1827-1836.	2.6	58
11	Neutrophil Extracellular Traps Form a Barrier between Necrotic and Viable Areas in Acute Abdominal Inflammation. Frontiers in Immunology, 2016, 7, 424.	2.2	58
12	The Antiadhesive Strategy in Crohnâ€²s Disease: Orally Active Mannosides to Decolonize Pathogenic Escherichia coli from the Gut. ChemBioChem, 2016, 17, 936-952.	1.3	46
13	Second generation of thiazolylmannosides, FimH antagonists for E. coli-induced Crohn's disease. Organic and Biomolecular Chemistry, 2016, 14, 3913-3925.	1.5	43
14	Flexible Nanoholey Patches for Antibiotic-Free Treatments of Skin Infections. ACS Applied Materials & Interfaces, 2017, 9, 36665-36674.	4.0	42
15	Aluminum oxide nanowires as safe and effective adjuvants for next-generation vaccines. Materials Today, 2019, 22, 58-66.	8.3	30
16	Inert Coats of Magnetic Nanoparticles Prevent Formation of Occlusive Intravascular Co-aggregates With Neutrophil Extracellular Traps. Frontiers in Immunology, 2018, 9, 2266.	2.2	29
17	Blood-borne phagocytes internalize urate microaggregates and prevent intravascular NETosis by urate crystals. Scientific Reports, 2016, 6, 38229.	1.6	28
18	Sialylation of anti-histone immunoglobulin G autoantibodies determines their capabilities to participate in the clearance of late apoptotic cells. Clinical and Experimental Immunology, 2016, 184, 110-117.	1.1	26

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19	Highly effective photodynamic inactivation of E. coli using gold nanorods/SiO₂ coreâ€“shell nanostructures with embedded verteporfin. Chemical Communications, 2015, 51, 16365-16368.	2.2	25
20	A blast without power â€“ cell death induced by the tuberculosis-necrotizing toxin fails to elicit adequate immune responses. Cell Death and Differentiation, 2016, 23, 1016-1025.	5.0	22
21	Comparative study of membranotropic action of single- and multi-walled carbon nanotubes. Journal of Bioscience and Bioengineering, 2013, 115, 674-679.	1.1	21
22	ROSâ€Responsive Nâ€Alkylaminoferrocenes for Cancerâ€Cellâ€Specific Targeting of Mitochondria. Angewandte Chemie, 2018, 130, 12119-12122.	1.6	21
23	Neutrophil-released enzymes can influence composition of circulating immune complexes in multiple sclerosis. Autoimmunity, 2018, 51, 297-303.	1.2	18
24	Particle-based photodynamic therapy based on indocyanine green modified plasmonic nanostructures for inactivation of a Crohn's disease-associated Escherichia coli strain. Journal of Materials Chemistry B, 2016, 4, 2598-2605.	2.9	17
25	Sweet kiss of dying cell: Sialidase activity on apoptotic cell is able to act toward its neighbors. Autoimmunity, 2012, 45, 574-578.	1.2	16
26	Affinity of Glycanâ€Modified Nanodiamonds towards Lectins and Uropathogenic Escherichia Coli. ChemNanoMat, 2016, 2, 307-314.	1.5	16
27	Effect of iron-doped multi-walled carbon nanotubes on lipid model and cellular plasma membranes. Materials Science and Engineering C, 2012, 32, 1486-1489.	3.8	15
28	Surface Plasmon Resonance (SPR) for the Evaluation of Shear-Force-Dependent Bacterial Adhesion. Biosensors, 2015, 5, 276-287.	2.3	15
29	Desialylation of dying cells with catalytically active antibodies possessing sialidase activity facilitate their clearance by human macrophages. Clinical and Experimental Immunology, 2014, 179, 17-23.	1.1	15
30	Improved photodynamic effect through encapsulation of two photosensitizers in lipid nanocapsules. Journal of Materials Chemistry B, 2018, 6, 5949-5963.	2.9	15
31	Oligomannose-Rich Membranes of Dying Intestinal Epithelial Cells Promote Host Colonization by Adherent-Invasive E. coli. Frontiers in Microbiology, 2018, 9, 742.	1.5	15
32	Physiochemical Tuning of Potent Escherichia coli Antiâ€Adhesives by Microencapsulation and Methylene Homologation. ChemMedChem, 2017, 12, 986-998.	1.6	14
33	A Novel Integrated Way for Deciphering the Glycan Code for the FimH Lectin. Molecules, 2018, 23, 2794.	1.7	13
34	Glycosylation of random IgG distinguishes seropositive and seronegative rheumatoid arthritis. Autoimmunity, 2018, 51, 111-117.	1.2	12
35	Differentiation of Crohnâ€™s Disease-Associated Isolates from Other Pathogenic Escherichia coli by Fimbrial Adhesion under Shear Force. Biology, 2016, 5, 14.	1.3	11
36	Î²-NaGdF4:Eu3+ nanocrystal markers for melanoma tumor imaging. RSC Advances, 2016, 6, 57854-57862.	1.7	9

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37	(Invited) Lanthanides Fluorides Doped Nanocrystals for Biomedical Applications. ECS Transactions, 2014, 61, 115-125.	0.3	8
38	Visualization of melanoma tumor with lectin-conjugated rare-earth doped fluoride nanocrystals. Croatian Medical Journal, 2014, 55, 186-194.	0.2	6
39	Novel assay for direct fluorescent imaging of sialidase activity. , 2011, , .		4
40	Magnetic separation of apoptotic cells with lectinâ€conjugated microparticles. Materialwissenschaft Und Werkstofftechnik, 2016, 47, 189-192.	0.5	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.	2.9	1
42	How Can the Death of Cells Be Useful For a Human Body?. Experimental and Clinical Physiology and Biochemistry, 2018, 2018, 77-85.	0.2	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 granulozytÃren Chromatinnetzen (â€žNETsâ€œ) bei der Entstehung von Gallensteinen. Zeitschrift Fur Gastroenterologie, 2021, 59, .	0.2	0
45	Simple two-step covalent protein conjugation to PEG-coated nanocrystals. Ukrainian Biochemical Journal, 2018, 90, 8-12.	0.1	0