

Tetiana Dumych

List of Publications by Year in descending order

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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	Die Rolle von granulozytären Chromatinnetzen (â€žNETsâ€œ) bei der Entstehung von Gallensteinen. Zeitschrift Fur Gastroenterologie, 2021, 59, .	0.5	0
2	Neutrophil Extracellular Traps Initiate Gallstone Formation. Immunity, 2019, 51, 443-450.e4.	14.3	115
3	Aluminum oxide nanowires as safe and effective adjuvants for next-generation vaccines. Materials Today, 2019, 22, 58-66.	14.2	30
4	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.	11.2	295
5	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
6	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
7	A Novel Integrated Way for Deciphering the Glycan Code for the FimH Lectin. Molecules, 2018, 23, 2794.	3.8	13
8	Neutrophil-released enzymes can influence composition of circulating immune complexes in multiple sclerosis. Autoimmunity, 2018, 51, 297-303.	2.6	18
9	Reduced Graphene-Oxide-Embedded Polymeric Nanofiber Mats: An â€œOn-Demandâ€ Photothermally Triggered Antibiotic Release Platform. ACS Applied Materials & Interfaces, 2018, 10, 41098-41106.	8.0	75
10	Inert Coats of Magnetic Nanoparticles Prevent Formation of Occlusive Intravascular Co-aggregates With Neutrophil Extracellular Traps. Frontiers in Immunology, 2018, 9, 2266.	4.8	29
11	Improved photodynamic effect through encapsulation of two photosensitizers in lipid nanocapsules. Journal of Materials Chemistry B, 2018, 6, 5949-5963.	5.8	15
12	ROSâ€Responsive Nâ€Alkylaminoferrocenes for Cancerâ€Cellâ€Specific Targeting of Mitochondria. Angewandte Chemie - International Edition, 2018, 57, 11943-11946.	13.8	74
13	ROSâ€Responsive Nâ€Alkylaminoferrocenes for Cancerâ€Cellâ€Specific Targeting of Mitochondria. Angewandte Chemie, 2018, 130, 12119-12122.	2.0	21
14	Oligomannose-Rich Membranes of Dying Intestinal Epithelial Cells Promote Host Colonization by Adherent-Invasive E. coli. Frontiers in Microbiology, 2018, 9, 742.	3.5	15
15	Glycosylation of random IgG distinguishes seropositive and seronegative rheumatoid arthritis. Autoimmunity, 2018, 51, 111-117.	2.6	12
16	Simple two-step covalent protein conjugation to PEG-coated nanocrystals. Ukrainian Biochemical Journal, 2018, 90, 8-12.	0.5	0
17	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
18	Physiochemical Tuning of Potent <i>Escherichia coli</i> Antiâ€Adhesives by Microencapsulation and Methylene Homologation. ChemMedChem, 2017, 12, 986-998.	3.2	14

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19	Flexible Nanoholey Patches for Antibiotic-Free Treatments of Skin Infections. ACS Applied Materials & Interfaces, 2017, 9, 36665-36674.	8.0	42
20	Lysosome-Targeting Amplifiers of Reactive Oxygen Species as Anticancer Prodrugs. Angewandte Chemie - International Edition, 2017, 56, 15545-15549.	13.8	132
21	Differentiation of Crohn's Disease-Associated Isolates from Other Pathogenic Escherichia coli by Fimbrial Adhesion under Shear Force. Biology, 2016, 5, 14.	2.8	11
22	Neutrophil Extracellular Traps Form a Barrier between Necrotic and Viable Areas in Acute Abdominal Inflammation. Frontiers in Immunology, 2016, 7, 424.	4.8	58
23	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.	2.6	26
24	Blood-borne phagocytes internalize urate microaggregates and prevent intravascular NETosis by urate crystals. Scientific Reports, 2016, 6, 38229.	3.3	28
25	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.	7.1	128
26	^{125}I -NaGdF ₄ :Eu ³⁺ nanocrystal markers for melanoma tumor imaging. RSC Advances, 2016, 6, 57854-57862.	3.6	9
27	Affinity of Glycan-Modified Nanodiamonds towards Lectins and Uropathogenic <i>Escherichia Coli</i> . ChemNanoMat, 2016, 2, 307-314.	2.8	16
28	Magnetic separation of apoptotic cells with lectin-conjugated microparticles. Materialwissenschaft Und Werkstofftechnik, 2016, 47, 189-192.	0.9	3
29	The Antiadhesive Strategy in Crohn's Disease: Orally Active Mannosides to Decolonize Pathogenic <i>Escherichia coli</i> from the Gut. ChemBioChem, 2016, 17, 936-952.	2.6	46
30	Second generation of thiazolylmannosides, FimH antagonists for E. coli-induced Crohn's disease. Organic and Biomolecular Chemistry, 2016, 14, 3913-3925.	2.8	43
31	A blast without power – cell death induced by the tuberculosis-necrotizing toxin fails to elicit adequate immune responses. Cell Death and Differentiation, 2016, 23, 1016-1025.	11.2	22
32	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.	5.8	17
33	Plasmonic photothermal cancer therapy with gold nanorods/reduced graphene oxide core/shell nanocomposites. RSC Advances, 2016, 6, 1600-1610.	3.6	70
34	Surface Plasmon Resonance (SPR) for the Evaluation of Shear-Force-Dependent Bacterial Adhesion. Biosensors, 2015, 5, 276-287.	4.7	15
35	Glycopolymers as Antiadhesives of <i>E. coli</i> Strains Inducing Inflammatory Bowel Diseases. Biomacromolecules, 2015, 16, 1827-1836.	5.4	58
36	Highly effective photodynamic inactivation of E. coli using gold nanorods/SiO ₂ core-shell nanostructures with embedded verteporfin. Chemical Communications, 2015, 51, 16365-16368.	4.1	25

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37	Visualization of melanoma tumor with lectin-conjugated rare-earth doped fluoride nanocrystals. Croatian Medical Journal, 2014, 55, 186-194.	0.7	6
38	(Invited) Lanthanides Fluorides Doped Nanocrystals for Biomedical Applications. ECS Transactions, 2014, 61, 115-125.	0.5	8
39	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.	2.6	15
40	Comparative study of membranotropic action of single- and multi-walled carbon nanotubes. Journal of Bioscience and Bioengineering, 2013, 115, 674-679.	2.2	21
41	Thiazolylaminomannosides As Potent Antiadhesives of Type 1 Piliated Escherichia coli Isolated from Crohn's Disease Patients. Journal of Medicinal Chemistry, 2013, 56, 5395-5406.	6.4	79
42	Macrophages Discriminate Glycosylation Patterns of Apoptotic Cell-derived Microparticles. Journal of Biological Chemistry, 2012, 287, 496-503.	3.4	85
43	Effect of iron-doped multi-walled carbon nanotubes on lipid model and cellular plasma membranes. Materials Science and Engineering C, 2012, 32, 1486-1489.	7.3	15
44	Sweet kiss of dying cell: Sialidase activity on apoptotic cell is able to act toward its neighbors. Autoimmunity, 2012, 45, 574-578.	2.6	16
45	Novel assay for direct fluorescent imaging of sialidase activity. , 2011, , .		4