

Jan Proska

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3504071/publications.pdf>

Version: 2024-02-01

43
papers

973
citations

759233

12
h-index

434195

31
g-index

50
all docs

50
docs citations

50
times ranked

1241
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-Driven Proton Acceleration Enhancement by Nanostructured Foils. <i>Physical Review Letters</i> , 2012, 109, 234801.	7.8	178
2	Allosteric modulation of muscarinic acetylcholine receptors. <i>Trends in Pharmacological Sciences</i> , 1995, 16, 205-212.	8.7	147
3	Evidence of Resonant Surface-Wave Excitation in the Relativistic Regime through Measurements of Proton Acceleration from Grating Targets. <i>Physical Review Letters</i> , 2013, 111, 185001.	7.8	100
4	Quantitative SERS Analysis of Azorubine (E 122) in Sweet Drinks. <i>Analytical Chemistry</i> , 2015, 87, 2840-2844.	6.5	99
5	Short pulse laser interaction with micro-structured targets: simulations of laser absorption and ion acceleration. <i>New Journal of Physics</i> , 2011, 13, 053028.	2.9	94
6	Electron Acceleration by Relativistic Surface Plasmons in Laser-Grating Interaction. <i>Physical Review Letters</i> , 2016, 116, 015001.	7.8	53
7	Laser-driven high-energy proton beam with homogeneous spatial profile from a nanosphere target. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2015, 18, .	1.8	43
8	Micro-sphere layered targets efficiency in laser driven proton acceleration. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	27
9	Two-Step Mechanism of Cellular Uptake of Cationic Gold Nanoparticles Modified by (16-Mercaptohexadecyl)trimethylammonium Bromide. <i>Bioconjugate Chemistry</i> , 2016, 27, 2558-2574.	3.6	25
10	Biological safety and tissue distribution of (16-mercaptohexadecyl)trimethylammonium bromide-modified cationic gold nanorods. <i>Biomaterials</i> , 2018, 154, 275-290.	11.4	22
11	Positive allosteric action of eburnamonine on cardiac muscarinic acetylcholine receptors. <i>European Journal of Pharmacology</i> , 1996, 305, 201-205.	3.5	18
12	The effect of oxime reactivators on muscarinic receptors: Functional and binding examinations. <i>Environmental Toxicology and Pharmacology</i> , 2011, 31, 364-370.	4.0	17
13	Novel acetylcholinesterase reactivator K112 and its cholinergic properties. <i>Biomedicine and Pharmacotherapy</i> , 2010, 64, 541-545.	5.6	12
14	Synthesis and Analgesic Activity of Some Quinazoline Analogs of Anpirtoline. <i>Archiv Der Pharmazie</i> , 2000, 333, 381-386.	4.1	11
15	<i>In Situ</i> WetSTEM Observation of Gold Nanorod Self-Assembly Dynamics in a Drying Colloidal Droplet. <i>Microscopy and Microanalysis</i> , 2014, 20, 385-393.	0.4	11
16	Gold film over very small (107Ånm) spheres as efficient substrate for sensitive and reproducible surface-enhanced Raman scattering (SERS) detection of biologically important molecules. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 499-505.	2.5	11
17	Fabrication of periodically ordered diamond nanostructures by microsphere lithography. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2587-2592.	1.5	10
18	Synthesis and Analgesic Activity of Some Deaza Derivatives of Anpirtoline. <i>Archiv Der Pharmazie</i> , 1999, 332, 13-18.	4.1	9

#	ARTICLE	IF	CITATIONS
19	Enhanced photoemission from laser-excited plasmonic nano-objects in periodic arrays. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 315301.	1.8	8
20	Hollow target for efficient generation of fast ions by ultrashort laser pulses. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	8
21	PIXE determination of element distribution in <i>Fomes fomentarius</i> . <i>X-Ray Spectrometry</i> , 2005, 34, 341-344.	1.4	7
22	Synthesis of piperidine analogs of 1-(3-chlorophenyl)piperazine, a well known serotonin ligand. <i>Journal of Heterocyclic Chemistry</i> , 1999, 36, 1017-1022.	2.6	6
23	Methylacridinium and its Cholinergic Properties. <i>Neurotoxicity Research</i> , 2009, 16, 372-377.	2.7	6
24	Efficient ion beam generation in laser interactions with micro-structured targets. <i>EPJ Web of Conferences</i> , 2013, 59, 17011.	0.3	6
25	Molecular Modification of Anpirtoline, a Non-Opioid Centrally Acting Analgesic. <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 363-376.	1.0	6
26	Gold Film over SiO ₂ Nanospheres – New Thermally Resistant Substrates for Surface-Enhanced Raman Scattering (SERS) Spectroscopy. <i>Nanomaterials</i> , 2019, 9, 1426.	4.1	5
27	Synthesis and Analgesic Activity of Some Condensed Analogs of Anpirtoline. <i>Archiv Der Pharmazie</i> , 1999, 332, 208-212.	4.1	4
28	Truxillic Acid Derivatives, Neuromuscular Blocking Agents with Very High Affinity for the Allosteric Binding Site of Muscarinic Acetylcholine Receptors. <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 1980-1992.	1.0	4
29	Laser ion acceleration: from present to intensities achievable at ELI-Beamlines. , 2013, , .		4
30	STRUCTURING OF DIAMOND FILMS USING MICROSPHERE LITHOGRAPHY. <i>Acta Polytechnica</i> , 2014, 54, 320-324.	0.6	4
31	Enhanced electron acceleration via ultra-intense laser interaction with structured targets. <i>Proceedings of SPIE</i> , 2015, , .	0.8	4
32	Fused Thiazoloandrostanes and Their Quaternary Salts, Synthesis and Cooperative Ligand Binding to Muscarinic Acetylcholine Receptor. <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 1457-1470.	1.0	3
33	Truxillic acid derivatives: High affinity, M ₂ selective allosteric modulators probes for mapping the muscarinic receptors. <i>Life Sciences</i> , 1997, 60, 1170.	4.3	2
34	Enhanced TNSA acceleration with 0.1-1 PW lasers. <i>Proceedings of SPIE</i> , 2013, , .	0.8	2
35	Enhancement of extreme ultraviolet emission from laser irradiated targets by surface nanostructures. <i>Laser and Particle Beams</i> , 2017, 35, 574-578.	1.0	2
36	Synthesis and Antinociceptive Activity of Some 3-Chlorophenyl- and 6-Chloropyridin-2-yl Derivatives. <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 377-388.	1.0	2

#	ARTICLE	IF	CITATIONS
37	Synthesis and Analgesic Activity of Some Side-Chain Modified Anpirtoline Derivatives. Archiv Der Pharmazie, 2000, 333, 107-112.	4.1	1
38	Opal-based photonic crystals: modeling and realization. , 2012, , .		1
39	Influence of the ablation threshold fluence on laser-driven acceleration. Applied Surface Science, 2013, 272, 132-137.	6.1	1
40	Some theoretical aspects of the allosteric interactions at muscarinic receptors. Journal of Physiology (Paris), 1998, 92, 482-483.	2.1	0
41	Simulations of short pulses laser interaction with targets having a submicron surface structure: energy absorption and ion acceleration. Proceedings of SPIE, 2011, , .	0.8	0
42	XUV generation from the interaction of pico- and nanosecond laser pulses with nanostructured targets. Proceedings of SPIE, 2017, , .	0.8	0
43	The Effect of Chemical Structure of OEG Ligand Shells with Quaternary Ammonium Moiety on the Colloidal Stabilization, Cellular Uptake and Photothermal Stability of Gold Nanorods. International Journal of Nanomedicine, 2021, Volume 16, 3407-3427.	6.7	0