Jan Proska

List of Publications by Year
in descending order

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	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
2	Gold Film over SiO2 Nanospheresâ€"New Thermally Resistant Substrates for Surface-Enhanced Raman Scattering (SERS) Spectroscopy. Nanomaterials, 2019, 9, 1426.	4.1	5
3	Biological safety and tissue distribution of (16-mercaptohexadecyl)trimethylammonium bromide-modified cationic gold nanorods. Biomaterials, 2018, 154, 275-290.	11.4	22
4	Gold film over very small (107Ânm) spheres as efficient substrate for sensitive and reproducible surfaceâ€enhanced Raman scattering (SERS) detection of biologically important molecules. Journal of Raman Spectroscopy, 2018, 49, 499-505.	2.5	11
5	XUV generation from the interaction of pico- and nanosecond laser pulses with nanostructured targets. Proceedings of SPIE, 2017, , .	0.8	0
6	Enhancement of extreme ultraviolet emission from laser irradiated targets by surface nanostructures. Laser and Particle Beams, 2017, 35, 574-578.	1.0	2
7	Enhanced photoemission from laser-excited plasmonic nano-objects in periodic arrays. Journal of Physics Condensed Matter, 2016, 28, 315301.	1.8	8
8	Hollow target for efficient generation of fast ions by ultrashort laser pulses. Physics of Plasmas, 2016, 23, .	1.9	8
9	Two-Step Mechanism of Cellular Uptake of Cationic Gold Nanoparticles Modified by (16-Mercaptohexadecyl)trimethylammonium Bromide. Bioconjugate Chemistry, 2016, 27, 2558-2574.	3.6	25
10	Electron Acceleration by Relativistic Surface Plasmons in Laser-Grating Interaction. Physical Review Letters, 2016, 116, 015001.	7.8	53
11	Quantitative SERS Analysis of Azorubine (E 122) in Sweet Drinks. Analytical Chemistry, 2015, 87, 2840-2844.	6.5	99
12	Enhanced electron acceleration via ultra-intense laser interaction with structured targets. Proceedings of SPIE, 2015, , .	0.8	4
13	Laser-driven high-energy proton beam with homogeneous spatial profile from a nanosphere target. Physical Review Special Topics: Accelerators and Beams, 2015, 18, .	1.8	43
14	STRUCTURING OF DIAMOND FILMS USING MICROSPHERE LITHOGRAPHY. Acta Polytechnica, 2014, 54, 320-324.	0.6	4
15	Fabrication of periodically ordered diamond nanostructures by microsphere lithography. Physica Status Solidi (B): Basic Research, 2014, 251, 2587-2592.	1.5	10
16	In Situ WetSTEM Observation of Gold Nanorod Self-Assembly Dynamics in a Drying Colloidal Droplet. Microscopy and Microanalysis, 2014, 20, 385-393.	0.4	11
17	Micro-sphere layered targets efficiency in laser driven proton acceleration. Journal of Applied Physics, 2013, 114, .	2.5	27
18	Evidence of Resonant Surface-Wave Excitation in the Relativistic Regime through Measurements of Proton Acceleration from Grating Targets. Physical Review Letters, 2013, 111, 185001.	7.8	100

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19	Influence of the ablation threshold fluence on laser-driven acceleration. Applied Surface Science, 2013, 272, 132-137.	6.1	1
20	Enhanced TNSA acceleration with 0.1-1 PW lasers. Proceedings of SPIE, 2013, , .	0.8	2
21	Laser ion acceleration: from present to intensities achievable at ELI-Beamlines. , 2013, , .		4
22	Efficient ion beam generation in laser interactions with micro-structured targets. EPJ Web of Conferences, 2013, 59, 17011.	0.3	6
23	Opal-based photonic crystals: modeling and realization. , 2012, , .		1
24	Laser-Driven Proton Acceleration Enhancement by Nanostructured Foils. Physical Review Letters, 2012, 109, 234801.	7.8	178
25	Short pulse laser interaction with micro-structured targets: simulations of laser absorption and ion acceleration. New Journal of Physics, 2011, 13, 053028.	2.9	94
26	The effect of oxime reactivators on muscarinic receptors: Functional and binding examinations. Environmental Toxicology and Pharmacology, 2011, 31, 364-370.	4.0	17
27	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
28	Novel acetylcholinesterase reactivator K112 and its cholinergic properties. Biomedicine and Pharmacotherapy, 2010, 64, 541-545.	5.6	12
29	Methylacridinium and its Cholinergic Properties. Neurotoxicity Research, 2009, 16, 372-377.	2.7	6
30	PIXE determination of element distribution inFomes fomentarius. X-Ray Spectrometry, 2005, 34, 341-344.	1.4	7
31	Synthesis and Analgesic Activity of Some Side-Chain Modified Anpirtoline Derivatives. Archiv Der Pharmazie, 2000, 333, 107-112.	4.1	1
32	Synthesis and Analgesic Activity of Some Quinazoline Analogs of Anpirtoline. Archiv Der Pharmazie, 2000, 333, 381-386.	4.1	11
33	Synthesis of piperidine analogs of 1â€(3â€chlorophenyl)piperazine, a well known serotonin ligand. Journal of Heterocyclic Chemistry, 1999, 36, 1017-1022.	2.6	6
34	Synthesis and Analgesic Activity of Some Deaza Derivatives of Anpirtoline. Archiv Der Pharmazie, 1999, 332, 13-18.	4.1	9
35	Synthesis and Analgesic Activity of Some Condensed Analogs of Anpirtoline. Archiv Der Pharmazie, 1999, 332, 208-212.	4.1	4
36	Truxillic Acid Derivatives, Neuromuscular Blocking Agents with Very High Affinity for the Allosteric Binding Site of Muscarinic Acetylcholine Receptors. Collection of Czechoslovak Chemical Communications, 1999, 64, 1980-1992.	1.0	4

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37	Molecular Modification of Anpirtoline, a Non-Opioid Centrally Acting Analgesic. Collection of Czechoslovak Chemical Communications, 1999, 64, 363-376.	1.0	6
38	Synthesis and Antinociceptive Activity of Some 3-Chlorophenyl- and 6-Chloropyridin-2-yl Derivatives. Collection of Czechoslovak Chemical Communications, 1999, 64, 377-388.	1.0	2
39	Fused Thiazoloandrostanes and Their Quaternary Salts, Synthesis and Cooperative Ligand Binding to Muscarinic Acetylcholine Receptor. Collection of Czechoslovak Chemical Communications, 1999, 64, 1457-1470.	1.0	3
40	Some theoretical aspects of the allosteric interactions at muscarinic receptors. Journal of Physiology (Paris), 1998, 92, 482-483.	2.1	0
41	Truxillic acid derivatives: High affinity, M2 selective allosteric modulators probes for mapping the muscarinic receptors. Life Sciences, 1997, 60, 1170.	4.3	2
42	Positive allosteric action of eburnamonine on cardiac muscarinic acetylcholine receptors. European Journal of Pharmacology, 1996, 305, 201-205.	3.5	18
43	Allosteric modulation of muscarinic acetylcholine receptors. Trends in Pharmacological Sciences, 1995, 16, 205-212.	8.7	147