Stefana M Petrescu

List of Publications by Year in descending order

69 papers	2,839 citations	218677 26 h-index	175258 52 g-index
71 all docs	71 docs citations	71 times ranked	3480 citing authors

#	Article	IF	Citations
1	Targeting EDEM protects against ER stress and improves development and survival in C. elegans. PLoS Genetics, 2022, 18, e1010069.	3.5	5
2	Affinity Proteomics and Deglycoproteomics Uncover Novel EDEM2 Endogenous Substrates and an Integrative ERAD Network. Molecular and Cellular Proteomics, 2021, 20, 100125.	3.8	7
3	EDEM3 Domains Cooperate to Perform Its Overall Cell Functioning. International Journal of Molecular Sciences, 2021, 22, 2172.	4.1	7
4	EDEM1 Drives Misfolded Protein Degradation via ERAD and Exploits ER-Phagy as Back-Up Mechanism When ERAD Is Impaired. International Journal of Molecular Sciences, 2020, 21, 3468.	4.1	23
5	Profiling Optimal Conditions for Capturing EDEM Proteins Complexes in Melanoma Using Mass Spectrometry. Advances in Experimental Medicine and Biology, 2019, 1140, 155-167.	1.6	8
6	Inhibition of N-glycan processing modulates the network of EDEM3 interactors. Biochemical and Biophysical Research Communications, 2017, 486, 978-984.	2.1	7
7	Novel function of the endoplasmic reticulum degradation-enhancing Î±-mannosidase-like proteins in the human hepatitis B virus life cycle, mediated by the middle envelope protein. Cellular Microbiology, 2017, 19, e12653.	2.1	13
8	Epitope located Nâ€glycans impair the MHCâ€I epitope generation and presentation. Electrophoresis, 2016, 37, 1448-1460.	2.4	14
9	Value of dopachrome tautomerase detection in the assessment of melanocytic tumors. Melanoma Research, 2014, 24, 219-236.	1.2	7
10	Characterization of Functional Transient Receptor Potential Melastatin 8 Channels in Human Pancreatic Ductal Adenocarcinoma Cells. Pancreas, 2014, 43, 795-800.	1.1	19
11	Expression and subcellular localization of RAGE in melanoma cells. Biochemistry and Cell Biology, 2014, 92, 127-136.	2.0	15
12	Combinatorial MAPLE gradient thin film assemblies signalling to human osteoblasts. Biofabrication, 2014, 6, 035010.	7.1	39
13	PLK1 is a binding partner and a negative regulator of FOXO3 tumor suppressor. Discoveries, 2014, 2, e16.	2.3	22
14	Dermal cells distribution on laserâ€structured ormosils. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 129-138.	2.7	10
15	Active protein and calcium hydroxyapatite bilayers grown by laser techniques for therapeutic applications. Journal of Biomedical Materials Research - Part A, 2013, 101A, 2706-2711.	4.0	12
16	Combination of Bortezomib and Mitotic Inhibitors Down-Modulate Bcr-Abl and Efficiently Eliminates Tyrosine-Kinase Inhibitor Sensitive and Resistant Bcr-Abl-Positive Leukemic Cells. PLoS ONE, 2013, 8, e77390.	2.5	22
17	Combinatorial matrix-assisted pulsed laser evaporation: Single-step synthesis of biopolymer compositional gradient thin film assemblies. Applied Physics Letters, 2012, 101, .	3.3	36
18	Activation of ERAD Pathway by Human Hepatitis B Virus Modulates Viral and Subviral Particle Production. PLoS ONE, 2012, 7, e34169.	2.5	73

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19	AP-3 and Rabip4â€™ Coordinately Regulate Spatial Distribution of Lysosomes. PLoS ONE, 2012, 7, e48142.	2.5	24
20	Adhesion and Osteogenic Differentiation of Human Mesenchymal Stem Cells: Supported by B-Type Carbonated Hydroxylapatite. , 2012, , 247-259.		1
21	Tyrosinase Degradation Is Prevented when EDEM1 Lacks the Intrinsically Disordered Region. PLoS ONE, 2012, 7, e42998.	2.5	34
22	Levan Nanostructured Thin Films by MAPLE Assembling. Biomacromolecules, 2011, 12, 2251-2256.	5.4	76
23	The influence of silicon substitution on the properties of spherical- and whisker-like biphasic Î±-calcium-phosphate/hydroxyapatite particles. Journal of Materials Science: Materials in Medicine, 2011, 22, 2175-2185.	3.6	11
24	Laser processing of ormosils for tissue engineering applications. Applied Physics A: Materials Science and Processing, 2011, 104, 821-827.	2.3	7
25	Tailoring immobilization of immunoglobulin by excimer laser for biosensor applications. Journal of Biomedical Materials Research - Part A, 2011, 96A, 384-394.	4.0	12
26	Biocompatibility and bioactivity enhancement of Ce stabilized ZrO₂ doped HA coatings by controlled porosity change of Al₂O₃ substrates. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 96B, 218-224.	3.4	12
27	C-Terminus Glycans with Critical Functional Role in the Maturation of Secretory Glycoproteins. PLoS ONE, 2011, 6, e19979.	2.5	19
28	Two Photon Polymerization of Ormosils. , 2010, , .		2
29	Differentiation of mesenchymal stem cells onto highly adherent radio frequencyâ€sputtered carbonated hydroxylapatite thin films. Journal of Biomedical Materials Research - Part A, 2010, 95A, 1203-1214.	4.0	76
30	Composite biocompatible hydroxyapatiteâ€“silk fibroin coatings for medical implants obtained by Matrix Assisted Pulsed Laser Evaporation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 169, 151-158.	3.5	48
31	Hydroxyapatite thin films synthesized by pulsed laser deposition and magnetron sputtering on PMMA substrates for medical applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 169, 159-168.	3.5	41
32	Biomolecular urease thin films grown by laser techniques for blood diagnostic applications. Materials Science and Engineering C, 2010, 30, 537-541.	7.3	20
33	On the bioactivity of adherent bioglass thin films synthesized by magnetron sputtering techniques. Thin Solid Films, 2010, 518, 5955-5964.	1.8	29
34	Hepatitis B Virus Requires Intact Caveolin-1 Function for Productive Infection in HepaRG Cells. Journal of Virology, 2010, 84, 243-253.	3.4	101
35	Increased Bioactivity of Cranio-spinal Implants Functionalized with Hydroxyapatite Nanostructured Coatings: Morpho-structural Characterization and In-Vitro Evaluation. , 2010, , .		0
36	Abstract 205: Bortezomib and paclitaxel synergistically induce apoptosis in chronic myelogenous leukemia cells. , 2010, , .		0

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37	Immobilization of urease by laser techniques: Synthesis and application to urea biosensors. Journal of Biomedical Materials Research - Part A, 2009, 89A, 186-191.	4.0	9
38	Encapsulated cargo internalized by fusogenic liposomes partially overlaps the endoplasmic reticulum. Journal of Cellular and Molecular Medicine, 2009, 13, 3110-3121.	3.6	13
39	Shallow hydroxyapatite coatings pulsed laser deposited onto Al2O3 substrates with controlled porosity: correlation of morphological characteristics with in vitro testing results. Applied Surface Science, 2009, 255, 5312-5317.	6.1	11
40	Biocompatible and bioactive nanostructured glass coatings synthesized by pulsed laser deposition: In vitro biological tests. Applied Surface Science, 2009, 255, 5486-5490.	6.1	20
41	Nanostructured bioglass thin films synthesized by pulsed laser deposition: CSLM, FTIR investigations and in vitro biotests. Applied Surface Science, 2008, 255, 3056-3062.	6.1	23
42	Cutaneous metastases of malignant melanoma--how difficult can it be?. Romanian Journal of Internal Medicine, 2008, 46, 375-8.	0.4	1
43	Ovarian Cancer is Associated with Changes in Glycosylation in Both Acute-Phase Proteins and IgG. Glycobiology, 2007, 17, 1344-1356.	2.5	369
44	Bioactive glass and hydroxyapatite thin films obtained by pulsed laser deposition. Applied Surface Science, 2007, 253, 7981-7986.	6.1	51
45	Biocompatible and bioactive coatings of Mn2+-doped Î²-tricalcium phosphate synthesized by pulsed laser deposition. Applied Surface Science, 2007, 254, 1155-1159.	6.1	32
46	An N-Linked Glycan Modulates the Interaction between the CD1d Heavy Chain and Î²2-Microglobulin. Journal of Biological Chemistry, 2006, 281, 40369-40378.	3.4	28
47	Productive Folding of Tyrosinase Ectodomain Is Controlled by the Transmembrane Anchor. Journal of Biological Chemistry, 2006, 281, 21682-21689.	3.4	9
48	Do calnexin and calreticulin have a role in melanin formation?. IUBMB Life, 2005, 57, 455-457.	3.4	1
49	Soluble Tyrosinase is an Endoplasmic Reticulum (ER)-associated Degradation Substrate Retained in the ER by Calreticulin and BiP/GRP78 and Not Calnexin. Journal of Biological Chemistry, 2005, 280, 13833-13840.	3.4	34
50	Tyrosinase-related protein-2 and -1 are trafficked on distinct routes in B16 melanoma cells. Biochemical and Biophysical Research Communications, 2005, 328, 914-921.	2.1	18
51	Statistical analysis of the protein environment of N-glycosylation sites: implications for occupancy, structure, and folding. Glycobiology, 2003, 14, 103-114.	2.5	391
52	The Inhibition of Early N-Glycan Processing Targets TRP-2 to Degradation in B16 Melanoma Cells. Journal of Biological Chemistry, 2003, 278, 27035-27042.	3.4	33
53	The Glycosylation of Tyrosinase in Melanoma Cells and the Effect on Antigen Presentation. Advances in Experimental Medicine and Biology, 2003, 535, 257-269.	1.6	2
54	pH-sensitive liposomes are efficient carriers for endoplasmic reticulum-targeted drugs in mouse melanoma cells. Biochemical and Biophysical Research Communications, 2002, 293, 918-923.	2.1	28

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55	Mutations at Critical N-Glycosylation Sites Reduce Tyrosinase Activity by Altering Folding and Quality Control. Journal of Biological Chemistry, 2000, 275, 8169-8175.	3.4	113
56	Folding and Maturation of Tyrosinase-related Protein-1 Are Regulated by the Post-translational Formation of Disulfide Bonds and by N-Glycan Processing. Journal of Biological Chemistry, 2000, 275, 32200-32207.	3.4	47
57	Tyrosinase and Glycoprotein Folding:Â Roles of Chaperones That Recognize Glycansâ€. Biochemistry, 2000, 39, 5229-5237.	2.5	53
58	N-Glycosylation Processing and Glycoprotein Foldingâ”Lessons from the Tyrosinase-Related Proteins. Chemical Reviews, 2000, 100, 4697-4712.	47.7	41
59	A statistical analysis of N- and O-glycan linkage conformations from crystallographic data. Glycobiology, 1999, 9, 343-352.	2.5	125
60	Tyrosinase Folding and Copper Loading in Vivo: A Crucial Role for Calnexin and Î±-Glucosidase II. Biochemical and Biophysical Research Communications, 1999, 261, 720-725.	2.1	82
61	Protein specific N-glycosylation of tyrosinase and tyrosinase-related protein-1 in B16 mouse melanoma cells. Biochemical Journal, 1999, 344, 659-665.	3.7	42
62	Protein specific N-glycosylation of tyrosinase and tyrosinase-related protein-1 in B16 mouse melanoma cells. Biochemical Journal, 1999, 344, 659.	3.7	20
63	Inhibition of N-Glycan Processing in B16 Melanoma Cells Results in Inactivation of Tyrosinase but Does Not Prevent Its Transport to the Melanosome. Journal of Biological Chemistry, 1997, 272, 15796-15803.	3.4	76
64	Conformation-Independent Binding of Monoglucosylated Ribonuclease B to Calnexin. Cell, 1997, 88, 29-38.	28.9	200
65	The solution NMR structure of glucosylated N-glycans involved in the early stages of glycoprotein biosynthesis and folding. EMBO Journal, 1997, 16, 4302-4310.	7.8	91
66	Immunoaffinity Chromatography on Antibodies Immobilized on Nitrocellulose Powder. Analytical Biochemistry, 1995, 229, 299-303.	2.4	8
67	Purification and partial characterization of a lectin from Datura innoxia seeds. Phytochemistry, 1993, 34, 343-348.	2.9	1
68	A yeast strain that uses D-galacturonic acid as a substrate for L-ascorbic acid biosynthesis. Biotechnology Letters, 1992, 14, 1-6.	2.2	13
69	Mass Spectrometry for Cancer Biomarkers. , 0, , .		2