

# Stefana M Petrescu

## List of Publications by Year in descending order

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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	Statistical analysis of the protein environment of N-glycosylation sites: implications for occupancy, structure, and folding. <i>Glycobiology</i> , 2003, 14, 103-114.	2.5	391
2	Ovarian Cancer is Associated with Changes in Glycosylation in Both Acute-Phase Proteins and IgG. <i>Glycobiology</i> , 2007, 17, 1344-1356.	2.5	369
3	Conformation-Independent Binding of Monoglucosylated Ribonuclease B to Calnexin. <i>Cell</i> , 1997, 88, 29-38.	28.9	200
4	A statistical analysis of N- and O-glycan linkage conformations from crystallographic data. <i>Glycobiology</i> , 1999, 9, 343-352.	2.5	125
5	Mutations at Critical N-Glycosylation Sites Reduce Tyrosinase Activity by Altering Folding and Quality Control. <i>Journal of Biological Chemistry</i> , 2000, 275, 8169-8175.	3.4	113
6	Hepatitis B Virus Requires Intact Caveolin-1 Function for Productive Infection in HepaRG Cells. <i>Journal of Virology</i> , 2010, 84, 243-253.	3.4	101
7	The solution NMR structure of glucosylated N-glycans involved in the early stages of glycoprotein biosynthesis and folding. <i>EMBO Journal</i> , 1997, 16, 4302-4310.	7.8	91
8	Tyrosinase Folding and Copper Loading in Vivo: A Crucial Role for Calnexin and $\alpha$ -Glucosidase II. <i>Biochemical and Biophysical Research Communications</i> , 1999, 261, 720-725.	2.1	82
9	Inhibition of N-Glycan Processing in B16 Melanoma Cells Results in Inactivation of Tyrosinase but Does Not Prevent Its Transport to the Melanosome. <i>Journal of Biological Chemistry</i> , 1997, 272, 15796-15803.	3.4	76
10	Differentiation of mesenchymal stem cells onto highly adherent radio frequency sputtered carbonated hydroxyapatite thin films. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 1203-1214.	4.0	76
11	Levan Nanostructured Thin Films by MAPLE Assembling. <i>Biomacromolecules</i> , 2011, 12, 2251-2256.	5.4	76
12	Activation of ERAD Pathway by Human Hepatitis B Virus Modulates Viral and Subviral Particle Production. <i>PLoS ONE</i> , 2012, 7, e34169.	2.5	73
13	Tyrosinase and Glycoprotein Folding: Roles of Chaperones That Recognize Glycans. <i>Biochemistry</i> , 2000, 39, 5229-5237.	2.5	53
14	Bioactive glass and hydroxyapatite thin films obtained by pulsed laser deposition. <i>Applied Surface Science</i> , 2007, 253, 7981-7986.	6.1	51
15	Composite biocompatible hydroxyapatite/silk fibroin coatings for medical implants obtained by Matrix Assisted Pulsed Laser Evaporation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 169, 151-158.	3.5	48
16	Folding and Maturation of Tyrosinase-related Protein-1 Are Regulated by the Post-translational Formation of Disulfide Bonds and by N-Glycan Processing. <i>Journal of Biological Chemistry</i> , 2000, 275, 32200-32207.	3.4	47
17	Protein specific N-glycosylation of tyrosinase and tyrosinase-related protein-1 in B16 mouse melanoma cells. <i>Biochemical Journal</i> , 1999, 344, 659-665.	3.7	42
18	N-Glycosylation Processing and Glycoprotein Folding Lessons from the Tyrosinase-Related Proteins. <i>Chemical Reviews</i> , 2000, 100, 4697-4712.	47.7	41

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19	Hydroxyapatite thin films synthesized by pulsed laser deposition and magnetron sputtering on PMMA substrates for medical applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 169, 159-168.	3.5	41
20	Combinatorial MAPLE gradient thin film assemblies signalling to human osteoblasts. <i>Biofabrication</i> , 2014, 6, 035010.	7.1	39
21	Combinatorial matrix-assisted pulsed laser evaporation: Single-step synthesis of biopolymer compositional gradient thin film assemblies. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	36
22	Soluble Tyrosinase is an Endoplasmic Reticulum (ER)-associated Degradation Substrate Retained in the ER by Calreticulin and BiP/GRP78 and Not Calnexin. <i>Journal of Biological Chemistry</i> , 2005, 280, 13833-13840.	3.4	34
23	Tyrosinase Degradation Is Prevented when EDEM1 Lacks the Intrinsically Disordered Region. <i>PLoS ONE</i> , 2012, 7, e42998.	2.5	34
24	The Inhibition of Early N-Glycan Processing Targets TRP-2 to Degradation in B16 Melanoma Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 27035-27042.	3.4	33
25	Biocompatible and bioactive coatings of Mn <sup>2+</sup> -doped $\beta$ -tricalcium phosphate synthesized by pulsed laser deposition. <i>Applied Surface Science</i> , 2007, 254, 1155-1159.	6.1	32
26	On the bioactivity of adherent bioglass thin films synthesized by magnetron sputtering techniques. <i>Thin Solid Films</i> , 2010, 518, 5955-5964.	1.8	29
27	pH-sensitive liposomes are efficient carriers for endoplasmic reticulum-targeted drugs in mouse melanoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 918-923.	2.1	28
28	An N-Linked Glycan Modulates the Interaction between the CD1d Heavy Chain and $\beta$ 2-Microglobulin. <i>Journal of Biological Chemistry</i> , 2006, 281, 40369-40378.	3.4	28
29	AP-3 and Rabip4 <sup>TM</sup> Coordinately Regulate Spatial Distribution of Lysosomes. <i>PLoS ONE</i> , 2012, 7, e48142.	2.5	24
30	Nanostructured bioglass thin films synthesized by pulsed laser deposition: CSLM, FTIR investigations and in vitro biotests. <i>Applied Surface Science</i> , 2008, 255, 3056-3062.	6.1	23
31	EDEM1 Drives Misfolded Protein Degradation via ERAD and Exploits ER-Phagy as Back-Up Mechanism When ERAD Is Impaired. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3468.	4.1	23
32	Combination of Bortezomib and Mitotic Inhibitors Down-Modulate Bcr-Abl and Efficiently Eliminates Tyrosine-Kinase Inhibitor Sensitive and Resistant Bcr-Abl-Positive Leukemic Cells. <i>PLoS ONE</i> , 2013, 8, e77390.	2.5	22
33	PLK1 is a binding partner and a negative regulator of FOXO3 tumor suppressor. <i>Discoveries</i> , 2014, 2, e16.	2.3	22
34	Protein specific N-glycosylation of tyrosinase and tyrosinase-related protein-1 in B16 mouse melanoma cells. <i>Biochemical Journal</i> , 1999, 344, 659.	3.7	20
35	Biocompatible and bioactive nanostructured glass coatings synthesized by pulsed laser deposition: In vitro biological tests. <i>Applied Surface Science</i> , 2009, 255, 5486-5490.	6.1	20
36	Biomolecular urease thin films grown by laser techniques for blood diagnostic applications. <i>Materials Science and Engineering C</i> , 2010, 30, 537-541.	7.3	20

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37	Characterization of Functional Transient Receptor Potential Melastatin 8 Channels in Human Pancreatic Ductal Adenocarcinoma Cells. <i>Pancreas</i> , 2014, 43, 795-800.	1.1	19
38	C-Terminus Glycans with Critical Functional Role in the Maturation of Secretory Glycoproteins. <i>PLoS ONE</i> , 2011, 6, e19979.	2.5	19
39	Tyrosinase-related protein-2 and -1 are trafficked on distinct routes in B16 melanoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2005, 328, 914-921.	2.1	18
40	Expression and subcellular localization of RAGE in melanoma cells. <i>Biochemistry and Cell Biology</i> , 2014, 92, 127-136.	2.0	15
41	Epitope located <i>N</i> -glycans impair the MHC $\epsilon$ epitope generation and presentation. <i>Electrophoresis</i> , 2016, 37, 1448-1460.	2.4	14
42	A yeast strain that uses D-galacturonic acid as a substrate for L-ascorbic acid biosynthesis. <i>Biotechnology Letters</i> , 1992, 14, 1-6.	2.2	13
43	Encapsulated cargo internalized by fusogenic liposomes partially overlaps the endoplasmic reticulum. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3110-3121.	3.6	13
44	Novel function of the endoplasmic reticulum degradation-enhancing $\beta$ -mannosidase-like proteins in the human hepatitis B virus life cycle, mediated by the middle envelope protein. <i>Cellular Microbiology</i> , 2017, 19, e12653.	2.1	13
45	Tailoring immobilization of immunoglobulin by excimer laser for biosensor applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 96A, 384-394.	4.0	12
46	Biocompatibility and bioactivity enhancement of Ce stabilized ZrO <sub>2</sub> doped HA coatings by controlled porosity change of Al <sub>2</sub> O <sub>3</sub> substrates. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 96B, 218-224.	3.4	12
47	Active protein and calcium hydroxyapatite bilayers grown by laser techniques for therapeutic applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 2706-2711.	4.0	12
48	Shallow hydroxyapatite coatings pulsed laser deposited onto Al <sub>2</sub> O <sub>3</sub> substrates with controlled porosity: correlation of morphological characteristics with in vitro testing results. <i>Applied Surface Science</i> , 2009, 255, 5312-5317.	6.1	11
49	The influence of silicon substitution on the properties of spherical- and whisker-like biphasic $\beta$ -calcium-phosphate/hydroxyapatite particles. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 2175-2185.	3.6	11
50	Dermal cells distribution on laser $\epsilon$ -structured ormosils. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013, 7, 129-138.	2.7	10
51	Productive Folding of Tyrosinase Ectodomain Is Controlled by the Transmembrane Anchor. <i>Journal of Biological Chemistry</i> , 2006, 281, 21682-21689.	3.4	9
52	Immobilization of urease by laser techniques: Synthesis and application to urea biosensors. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 89A, 186-191.	4.0	9
53	Immunoaffinity Chromatography on Antibodies Immobilized on Nitrocellulose Powder. <i>Analytical Biochemistry</i> , 1995, 229, 299-303.	2.4	8
54	Profiling Optimal Conditions for Capturing EDEM Proteins Complexes in Melanoma Using Mass Spectrometry. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1140, 155-167.	1.6	8

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55	Laser processing of ormosils for tissue engineering applications. Applied Physics A: Materials Science and Processing, 2011, 104, 821-827.	2.3	7
56	Value of dopachrome tautomerase detection in the assessment of melanocytic tumors. Melanoma Research, 2014, 24, 219-236.	1.2	7
57	Inhibition of N-glycan processing modulates the network of EDEM3 interactors. Biochemical and Biophysical Research Communications, 2017, 486, 978-984.	2.1	7
58	Affinity Proteomics and Deglycoproteomics Uncover Novel EDEM2 Endogenous Substrates and an Integrative ERAD Network. Molecular and Cellular Proteomics, 2021, 20, 100125.	3.8	7
59	EDEM3 Domains Cooperate to Perform Its Overall Cell Functioning. International Journal of Molecular Sciences, 2021, 22, 2172.	4.1	7
60	Targeting EDEM protects against ER stress and improves development and survival in C. elegans. PLoS Genetics, 2022, 18, e1010069.	3.5	5
61	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
62	Two Photon Polymerization of Ormosils. , 2010, , .		2
63	Mass Spectrometry for Cancer Biomarkers. , 0, , .		2
64	Purification and partial characterization of a lectin from Datura innoxia seeds. Phytochemistry, 1993, 34, 343-348.	2.9	1
65	Do calnexin and calreticulin have a role in melanin formation?. IUBMB Life, 2005, 57, 455-457.	3.4	1
66	Adhesion and Osteogenic Differentiation of Human Mesenchymal Stem Cells: Supported by B-Type Carbonated Hydroxylapatite. , 2012, , 247-259.		1
67	Cutaneous metastases of malignant melanoma–how difficult can it be?. Romanian Journal of Internal Medicine, 2008, 46, 375-8.	0.4	1
68	Increased Bioactivity of Cranio-spinal Implants Functionalized with Hydroxyapatite Nanostructured Coatings: Morpho-structural Characterization and In-Vitro Evaluation. , 2010, , .		0
69	Abstract 205: Bortezomib and paclitaxel synergistically induce apoptosis in chronic myelogenous leukemia cells. , 2010, , .		0