

# Marta Vilaseca

## List of Publications by Year in descending order

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57  
papers

1,743  
citations

304743

22  
h-index

302126

39  
g-index

64  
all docs

64  
docs citations

64  
times ranked

3421  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional analysis of <i>TLK2</i> variants and their proximal interactomes implicates impaired kinase activity and chromatin maintenance defects in their pathogenesis. <i>Journal of Medical Genetics</i> , 2022, 59, 170-179.	3.2	9
2	Multi-laboratory experiment PME11 for the standardization of phosphoproteome analysis. <i>Journal of Proteomics</i> , 2022, 251, 104409.	2.4	1
3	Biomarker candidates for progression and clinical management of COVID-19 associated pneumonia at time of admission. <i>Scientific Reports</i> , 2022, 12, 640.	3.3	11
4	Furan warheads for covalent trapping of weak protein-protein interactions: cross-linking of thymosin $\beta$ 4 to actin. <i>Chemical Communications</i> , 2021, 57, 6054-6057.	4.1	5
5	Nature-inspired dimerization as a strategy to modulate neuropeptide pharmacology exemplified with vasopressin and oxytocin. <i>Chemical Science</i> , 2021, 12, 4057-4062.	7.4	12
6	Protamine Characterization by Top-Down Proteomics: Boosting Proteoform Identification with DBSCAN. <i>Proteomes</i> , 2021, 9, 21.	3.5	7
7	The <i>Pseudomonas aeruginosa</i> substrate-binding protein Ttg2D functions as a general glycerophospholipid transporter across the periplasm. <i>Communications Biology</i> , 2021, 4, 448.	4.4	15
8	Characterization of Human Sperm Protamine Proteoforms through a Combination of Top-Down and Bottom-Up Mass Spectrometry Approaches. <i>Journal of Proteome Research</i> , 2020, 19, 221-237.	3.7	16
9	The histone code reader PHD finger protein 7 controls sex-linked disparities in gene expression and malignancy in <i>Drosophila</i> . <i>Science Advances</i> , 2019, 5, eaaw7965.	10.3	7
10	Top-Down Proteomics Applied to Human Cerebrospinal Fluid. <i>Methods in Molecular Biology</i> , 2019, 2044, 193-219.	0.9	0
11	A five-level classification system for proteoform identifications. <i>Nature Methods</i> , 2019, 16, 939-940.	19.0	55
12	First Community-Wide, Comparative Cross-Linking Mass Spectrometry Study. <i>Analytical Chemistry</i> , 2019, 91, 6953-6961.	6.5	100
13	The Tumor Suppressor ING5 Is a Dimeric, Bivalent Recognition Molecule of the Histone H3K4me3 Mark. <i>Journal of Molecular Biology</i> , 2019, 431, 2298-2319.	4.2	18
14	A chemometric approach for characterization of serum transthyretin in familial amyloidotic polyneuropathy type I (FAP-I) by electrospray ionization-ion mobility mass spectrometry. <i>Talanta</i> , 2018, 181, 87-94.	5.5	5
15	Direct Evidence of the Presence of Cross-Linked A $\beta$ 2 Dimers in the Brains of Alzheimer's Disease Patients. <i>Analytical Chemistry</i> , 2018, 90, 4552-4560.	6.5	37
16	The human mitochondrial transcription factor A is a versatile G-quadruplex binding protein. <i>Scientific Reports</i> , 2017, 7, 43992.	3.3	40
17	Structure of the homodimeric androgen receptor ligand-binding domain. <i>Nature Communications</i> , 2017, 8, 14388.	12.8	131
18	Lack of Glycogenin Causes Glycogen Accumulation and Muscle Function Impairment. <i>Cell Metabolism</i> , 2017, 26, 256-266.e4.	16.2	59

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19	A multicentric study to evaluate the use of relative retention times in targeted proteomics. <i>Journal of Proteomics</i> , 2017, 152, 138-149.	2.4	9
20	Automatic and rapid identification of glycopeptides by nano-UPLC-LTQ-FT-MS and proteomic search engine. <i>Journal of Proteomics</i> , 2017, 152, 236-242.	2.4	6
21	An oxygen-sensitive toxin-antitoxin system. <i>Nature Communications</i> , 2016, 7, 13634.	12.8	63
22	Analyzing slowly exchanging protein conformations by ion mobility mass spectrometry: study of the dynamic equilibrium of prolyl oligopeptidase. <i>Journal of Mass Spectrometry</i> , 2016, 51, 504-511.	1.6	6
23	Paramagnetic spherical nanoparticles by the self-assembly of persistent trityl radicals. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3151-3158.	2.8	21
24	Supramolecular Adducts of Cucurbit[7]uril and Amino Acids in the Gas Phase. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 265-276.	2.8	34
25	SDS-PAGE analysis of A $\beta$ oligomers is dis-serving research into Alzheimer's disease: appealing for ESI-IM-MS. <i>Scientific Reports</i> , 2015, 5, 14809.	3.3	88
26	Self-assembled trityl radical capsules - implications for dynamic nuclear polarization. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5785-5794.	2.8	20
27	Antitumor and antiparasitic activity of novel ruthenium compounds with polycyclic aromatic ligands. <i>Journal of Inorganic Biochemistry</i> , 2015, 150, 38-47.	3.5	22
28	Quantitative analysis of post-translational modifications in human serum transthyretin associated with familial amyloidotic polyneuropathy by targeted LC-MS and intact protein MS. <i>Journal of Proteomics</i> , 2015, 127, 234-246.	2.4	21
29	Characterisation of serum transthyretin by electrospray ionisation-ion mobility mass spectrometry: Application to familial amyloidotic polyneuropathy type I (FAP-I). <i>Talanta</i> , 2015, 144, 1216-1224.	5.5	6
30	Influence of PPh <sub>3</sub> moiety in the anticancer activity of new organometallic ruthenium complexes. <i>Journal of Inorganic Biochemistry</i> , 2014, 136, 1-12.	3.5	51
31	Ion mobility and Top-down MS complementary approaches for the structural analysis of protein models bound to anticancer metallodrugs. <i>Inorganica Chimica Acta</i> , 2014, 423, 60-69.	2.4	6
32	Identification and Affinity-Quantification of A $\beta$ -Amyloid and I $\beta$ -Synuclein Polypeptides Using On-Line SAW-Biosensor-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1472-1481.	2.8	14
33	Characterization of superoxide dismutase 1 (SOD1) by electrospray ionization-ion mobility mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2013, 48, 60-67.	1.6	6
34	Applications and future of ion mobility mass spectrometry in structural biology. <i>New Journal of Chemistry</i> , 2013, 37, 1283.	2.8	16
35	Multi-phosphorylation of the Intrinsically Disordered Unique Domain of c-Src Studied by In-Cell and Real-Time NMR Spectroscopy. <i>ChemBioChem</i> , 2013, 14, 1820-1827.	2.6	56
36	Induced Self-Assembly of a Tetrathiafulvalene-Based Open-Shell Dyad through Intramolecular Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11024-11028.	13.8	43

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37	Structure of Triplex DNA in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2012, 134, 6596-6606.	13.7	56
38	Combined bottom-up and top-down mass spectrometry analyses of the pattern of post-translational modifications of <i>Drosophila melanogaster</i> linker histone H1. <i>Journal of Proteomics</i> , 2012, 75, 4124-4138.	2.4	38
39	A $\beta$ 40 and A $\beta$ 42 Amyloid Fibrils Exhibit Distinct Molecular Recycling Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 6505-6508.	13.7	93
40	On the Role of Flexibility in Protein-Ligand Interactions: the Example of p53 Tetramerization Domain. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1463-1469.	3.3	17
41	Spectral counting assessment of protein dynamic range in cerebrospinal fluid following depletion with plasma-designed immunoaffinity columns. <i>Clinical Proteomics</i> , 2011, 8, 6.	2.1	20
42	Lights and shadows of proteomic technologies for the study of protein species including isoforms, splicing variants and protein post-translational modifications. <i>Proteomics</i> , 2011, 11, 590-603.	2.2	19
43	Enhanced reactivity of Lys182 explains the limited efficacy of biogenic amines in preventing the inactivation of glucose-6-phosphate dehydrogenase by methylglyoxal. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1613-1622.	3.0	6
44	Molecular recognition at protein surface in solution and gas phase: Five VEGF peptidic ligands show inverse affinity when studied by NMR and CID-MS. <i>Biopolymers</i> , 2010, 94, 689-700.	2.4	7
45	New Insights into the Factors That Govern the Square/Triangle Equilibria of Pd(II) and Pt(II) Supramolecules. Unexpected Participation of a Mononuclear Species in the Equilibrium. <i>Inorganic Chemistry</i> , 2010, 49, 9438-9449.	4.0	50
46	Imidazolium-Based Dicationic Cyclophanes. Solid-State Aggregates with Unconventional (C-H) $\cdots$ Cl Hydrogen Bonding Revealed by X-ray Diffraction. <i>Supramolecular Chemistry</i> , 2007, 19, 501-509.	1.2	34
47	Does the Solid-Phase Synthesis of a Tetrapeptide Represent a Challenge at the Onset of the XXI Century? The Case of Cyclo [(3R)-3-hydroxydecanoyl-L-seryl-(3R)-3-hydroxydecanoyl-L-seryl]. <i>International Journal of Peptide Research and Therapeutics</i> , 2007, 13, 313-327.	1.9	2
48	Proteomic analysis of prodigiosin-induced apoptosis in a breast cancer mitoxantrone-resistant (MCF-7) cell line. <i>Journal of Proteomics</i> , 2007, 10, 1400-1414.	2.6	14
49	Cell cycle arrest and proapoptotic effects of the anticancer cyclodepsipeptide serratamolide (AT514) are independent of p53 status in breast cancer cells. <i>Biochemical Pharmacology</i> , 2005, 71, 32-41.	4.4	23
50	A Straightforward Synthesis of 5'-Peptide Oligonucleotide Conjugates Using Fmoc-Protected Amino Acids. <i>Organic Letters</i> , 2005, 7, 4349-4352.	4.6	26
51	Selection of Betaine Building Blocks for the Construction of Quadrupolar Heterophane Frameworks. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 2691.	2.4	4
52	Location of Disulfide bonds in mature $\alpha$ -L-fucosidase from pea. <i>Journal of Peptide Science</i> , 2001, 7, 305-315.	1.4	7
53	Imidazolium molecular motifs located on dicationic frameworks. Electrospray mass spectrometric observation of carbenes: imidazolylidenes. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1443-1447.	1.5	17
54	Prodigiosin from the supernatant of <i>Serratia marcescens</i> induces apoptosis in haematopoietic cancer cell lines. <i>British Journal of Pharmacology</i> , 2000, 131, 585-593.	5.4	163

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55	An HPLC-ESMS study on the solid-phase assembly of C-terminal proline peptides. , 1999, 5, 131-140.		39
56	Reduction of methionine sulfoxide with : Compatibility with peptides containing cysteine and aromatic amino acids. Tetrahedron, 1998, 54, 15273-15286.	1.9	33
57	A study of the use of NH <sub>4</sub> I for the reduction of methionine sulfoxide in peptides containing cysteine and cystine. Tetrahedron, 1995, 51, 5701-5710.	1.9	51