

# Marcela Slovakova

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

522  
citations

933447

10  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

613  
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of self assembled magnetic beads for on-chip protein digestion. Lab on A Chip, 2005, 5, 935.	6.0	114
2	Enzymes immobilized on magnetic carriers: efficient and selective system for protein modification. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 770, 177-181.	2.3	67
3	Functionalized magnetic micro- and nanoparticles: Optimization and application to $\mu$ -chip tryptic digestion. Electrophoresis, 2006, 27, 1811-1824.	2.4	67
4	Oriented immobilization of galactose oxidase to bead and magnetic bead cellulose and poly(HEMA-co-EDMA) and magnetic poly(HEMA-co-EDMA) microspheres. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 770, 25-34.	2.3	61
5	Controlled proteolysis of normal and pathological prion protein in a microfluidic chip. Lab on A Chip, 2008, 8, 294.	6.0	47
6	Covalent biofunctionalization of chitosan nanofibers with trypsin for high enzyme stability. Reactive and Functional Polymers, 2016, 104, 38-44.	4.1	36
7	Epitope mapping of allergen ovalbumin using biofunctionalized magnetic beads packed in microfluidic channels. Journal of Chromatography A, 2008, 1206, 64-71.	3.7	35
8	Magnetic enzyme reactors for isolation and study of heterogeneous glycoproteins. Journal of Magnetism and Magnetic Materials, 2005, 293, 349-357.	2.3	25
9	Application of trypsin Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> core/shell nanoparticles for protein digestion. Process Biochemistry, 2015, 50, 2088-2098.	3.7	14
10	Bioaffinity magnetic reactor for peptide digestion followed by analysis using bottom-up shotgun proteomics strategy. Journal of Separation Science, 2008, 31, 507-515.	2.5	12
11	Disruption of Cell Adhesion and Cytoskeletal Networks by Thiol-Functionalized Silica-Coated Iron Oxide Nanoparticles. International Journal of Molecular Sciences, 2020, 21, 9350.	4.1	11
12	Kinase-loaded magnetic beads for sequential <i>in vitro</i> phosphorylation of peptides and proteins. Analyst, The, 2018, 143, 466-474.	3.5	9
13	Magnetic Proteinase K Reactor as a New Tool for Reproducible Limited Protein Digestion. Bioconjugate Chemistry, 2008, 19, 966-972.	3.6	8
14	Contemporary Enzyme-Based Methods for Recombinant Proteins In Vitro Phosphorylation. Catalysts, 2021, 11, 1007.	3.5	6
15	Utilization of the IC-calorimeter for study of enzymatic reaction. Journal of Thermal Analysis and Calorimetry, 2010, 101, 715-719.	3.6	4
16	Affiblot: a dot blot-based screening device for selection of reliable antibodies. Analytical Methods, 2021, 13, 3874-3884.	2.7	3
17	Systèmes microfluidiques de particules magnétiques auto-assemblées; Application à la séparation d'ADN et à la digestion de protéines.. Houille Blanche, 2006, 92, 51-54.	0.3	3
18	CLOSTRIDIAL COLLAGENASE IMMOBILIZED ON CHITOSAN NANOFIBERS FOR BURN HEALING. Military Medical Science Letters (Vojenske Zdravotnicke Listy), 0, , .	0.5	0