

# Maria A Komkova

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

815  
citations

758635

12  
h-index

552369

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

957  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanozymes –artificial peroxidase–™ in reduction and detection of organic peroxides. Journal of Electroanalytical Chemistry, 2022, 904, 115902.	1.9	5
2	Simultaneous monitoring of sweat lactate content and sweat secretion rate by wearable remote biosensors. Biosensors and Bioelectronics, 2022, 202, 113970.	5.3	38
3	Catalytic Pathway of Nanozyme –Artificial Peroxidase–with 100-Fold Greater Bimolecular Rate Constants Compared to Those of the Enzyme. Journal of Physical Chemistry Letters, 2021, 12, 171-176.	2.1	15
4	Flow-electrochemical synthesis of Prussian Blue based nanozyme –artificial peroxidase–™. Dalton Transactions, 2021, 50, 11385-11389.	1.6	10
5	Improved Electroactivity of Redox Probes onto Electropolymerized Azidomethyl-PEDOT: Enabling Click Chemistry for Advanced (Bio)Sensors. ACS Applied Polymer Materials, 2021, 3, 1518-1524.	2.0	10
6	Nanozymes –Artificial Peroxidase– Enzyme Oxidase Mixtures for Single–Step Fabrication of Advanced Electrochemical Biosensors. ChemElectroChem, 2021, 8, 1117-1122.	1.7	10
7	Core–Shell Nanozymes –Artificial Peroxidase– Stability with Superior Catalytic Properties. Journal of Physical Chemistry Letters, 2021, 12, 5547-5551.	2.1	16
8	Anchoring PQQ-Glucose Dehydrogenase with Electropolymerized Azines for the Most Efficient Bioelectrocatalysis. Analytical Chemistry, 2021, 93, 12116-12121.	3.2	4
9	–Artificial peroxidase–™ nanozyme – enzyme based lactate biosensor. Talanta, 2020, 208, 120393.	2.9	45
10	Electrochemical and sensing properties of Prussian Blue based nanozymes –artificial peroxidase–. Journal of Electroanalytical Chemistry, 2020, 872, 114048.	1.9	37
11	Prussian Blue modified boron-doped diamond interfaces for advanced H <sub>2</sub> O <sub>2</sub> electrochemical sensors. Electrochimica Acta, 2020, 339, 135924.	2.6	54
12	Power output of Prussian Blue based (bio)sensors as a function of analyte concentration: Towards wake-up signaling systems. Journal of Electroanalytical Chemistry, 2019, 847, 113263.	1.9	4
13	Prussian Blue based flow-through (bio)sensors in power generation mode: New horizons for electrochemical analyzers. Sensors and Actuators B: Chemical, 2019, 292, 284-288.	4.0	7
14	Reagentless Microsensor Based on Conducting Poly(3–aminophenylboronic Acid) for Rapid Detection of Microorganisms in Aerosol. Electroanalysis, 2018, 30, 602-606.	1.5	3
15	Power Generation versus Conventional Potentiostatic Operation of Prussian Blue Based (Bio)Sensors. Electroanalysis, 2018, 30, 607-610.	1.5	4
16	Catalytically Synthesized Prussian Blue Nanoparticles Defeating Natural Enzyme Peroxidase. Journal of the American Chemical Society, 2018, 140, 11302-11307.	6.6	220
17	Electrochemical detection of Penicillium chrysogenum based on increasing conductivity of polyaminophenylboronic acid. Russian Journal of Electrochemistry, 2017, 53, 92-96.	0.3	2
18	Noiseless Performance of Prussian Blue Based (Bio)sensors through Power Generation. Analytical Chemistry, 2017, 89, 6290-6294.	3.2	34

#	ARTICLE	IF	CITATIONS
19	Scanning electrochemical microscopy: Visualization of local electrocatalytic activity of transition metals hexacyanoferrates. Russian Journal of Electrochemistry, 2016, 52, 1159-1165.	0.3	3
20	Estimation of continuity of electroactive inorganic films based on apparent anti-Ohmic trend in their charge transfer resistance. Electrochimica Acta, 2016, 219, 588-591.	2.6	11
21	Novel Reagentless Label-Free Detection Principle for Affinity Interactions Resulted in Conductivity Increase of Conducting Polymer. Electroanalysis, 2015, 27, 2055-2062.	1.5	10
22	Reagentless Polyol Detection by Conductivity Increase in the Course of Self-Doping of Boronate-Substituted Polyaniline. Analytical Chemistry, 2014, 86, 11690-11695.	3.2	26
23	Transition Metal Hexacyanoferrates in Electrocatalysis of H <sub>2</sub> O <sub>2</sub> Reduction: An Exclusive Property of Prussian Blue. Analytical Chemistry, 2014, 86, 4131-4134.	3.2	103
24	Hydrogen Peroxide Detection in Wet Air with a Prussian Blue Based Solid Salt Bridged Three Electrode System. Analytical Chemistry, 2013, 85, 2574-2577.	3.2	16
25	Ultramicrosensors based on transition metal hexacyanoferrates for scanning electrochemical microscopy. Beilstein Journal of Nanotechnology, 2013, 4, 649-654.	1.5	7
26	Superstable Advanced Hydrogen Peroxide Transducer Based on Transition Metal Hexacyanoferrates. Analytical Chemistry, 2011, 83, 2359-2363.	3.2	120