

# Sabahudin Hrapovic

## List of Publications by Year in descending order

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33  
papers

4,829  
citations

218677

26  
h-index

395702

33  
g-index

33  
all docs

33  
docs citations

33  
times ranked

6567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Biosensing Platforms Using Platinum Nanoparticles and Carbon Nanotubes. <i>Analytical Chemistry</i> , 2004, 76, 1083-1088.	6.5	1,017
2	Characteristics and Properties of Carboxylated Cellulose Nanocrystals Prepared from a Novel One-Step Procedure. <i>Small</i> , 2011, 7, 302-305.	10.0	403
3	Effect of Surface Charge on the Cellular Uptake and Cytotoxicity of Fluorescent Labeled Cellulose Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 2924-2932.	8.0	286
4	Immobilization of Antibodies and Enzymes on 3-Aminopropyltriethoxysilane-Functionalized Bioanalytical Platforms for Biosensors and Diagnostics. <i>Chemical Reviews</i> , 2014, 114, 11083-11130.	47.7	263
5	Electrochemical detection of carbohydrates using copper nanoparticles and carbon nanotubes. <i>Analytica Chimica Acta</i> , 2004, 516, 35-41.	5.4	262
6	Metallic Nanoparticle-Carbon Nanotube Composites for Electrochemical Determination of Explosive Nitroaromatic Compounds. <i>Analytical Chemistry</i> , 2006, 78, 5504-5512.	6.5	256
7	Electrochemical Determination of Arsenite Using a Gold Nanoparticle Modified Glassy Carbon Electrode and Flow Analysis. <i>Analytical Chemistry</i> , 2006, 78, 762-769.	6.5	229
8	Cellulose Nanocrystal/Gold Nanoparticle Composite as a Matrix for Enzyme Immobilization. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 1383-1386.	8.0	181
9	Catalysis using gold nanoparticles decorated on nanocrystalline cellulose. <i>Nanoscale</i> , 2012, 4, 997.	5.6	178
10	Electrochemical detection of carbohydrates using copper nanoparticles and carbon nanotubes. <i>Analytica Chimica Acta</i> , 2004, 516, 35-35.	5.4	177
11	Assessment of Cytotoxicity of Quantum Dots and Gold Nanoparticles Using Cell-Based Impedance Spectroscopy. <i>Analytical Chemistry</i> , 2008, 80, 5487-5493.	6.5	155
12	New Strategy for Preparing Thin Gold Films on Modified Glass Surfaces by Electroless Deposition. <i>Langmuir</i> , 2003, 19, 3958-3965.	3.5	127
13	Picomolar Detection of Protease Using Peptide/Single Walled Carbon Nanotube/Gold Nanoparticle-Modified Electrode. <i>ACS Nano</i> , 2008, 2, 1051-1057.	14.6	117
14	Solubilization of Multiwall Carbon Nanotubes by 3-Aminopropyltriethoxysilane Towards the Fabrication of Electrochemical Biosensors with Promoted Electron Transfer. <i>Electroanalysis</i> , 2004, 16, 132-139.	2.9	115
15	Raman-based detection of bacteria using silver nanoparticles conjugated with antibodies. <i>Analyst</i> , The, 2007, 132, 679.	3.5	115
16	One-step antibody immobilization-based rapid and highly-sensitive sandwich ELISA procedure for potential in vitro diagnostics. <i>Scientific Reports</i> , 2014, 4, 4407.	3.3	106
17	Picoamperometric Detection of Glucose at Ultrasmall Platinum-Based Biosensors: Preparation and Characterization. <i>Analytical Chemistry</i> , 2003, 75, 3308-3315.	6.5	105
18	Reusable Platinum Nanoparticle Modified Boron Doped Diamond Microelectrodes for Oxidative Determination of Arsenite. <i>Analytical Chemistry</i> , 2007, 79, 500-507.	6.5	104

#	ARTICLE	IF	CITATIONS
19	Preparation of Well-Dispersed Gold/Magnetite Nanoparticles Embedded on Cellulose Nanocrystals for Efficient Immobilization of Papain Enzyme. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 4978-4985.	8.0	104
20	Biosensor for Arsenite Using Arsenite Oxidase and Multiwalled Carbon Nanotube Modified Electrodes. <i>Analytical Chemistry</i> , 2007, 79, 7831-7837.	6.5	89
21	Selective Nanomolar Detection of Dopamine Using a Boron-Doped Diamond Electrode Modified with an Electropolymerized Sulfobutylether- $\beta$ -cyclodextrin-Doped Poly( <i>N</i> -acetyltyramine) and Polypyrrole Composite Film. <i>Analytical Chemistry</i> , 2009, 81, 4089-4098.	6.5	85
22	Electrochemically-assisted deposition of oxidases on platinum nanoparticle/multi-walled carbon nanotube-modified electrodes. <i>Analyst, The</i> , 2007, 132, 1254.	3.5	62
23	Green Strategy Guided by Raman Spectroscopy for the Synthesis of Ammonium Carboxylated Nanocrystalline Cellulose and the Recovery of Byproducts. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 278-283.	6.7	57
24	Multiwall Carbon Nanotube (MWCNT) Based Electrochemical Biosensors for Mediatorless Detection of Putrescine. <i>Electroanalysis</i> , 2005, 17, 47-53.	2.9	52
25	Reinforced plastics and aerogels by nanocrystalline cellulose. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	45
26	Selective detection of dopamine using a combined permselective film of electropolymerized (poly-tyramine and poly-pyrrole-1-propionic acid) on a boron-doped diamond electrode. <i>Analyst, The</i> , 2009, 134, 519-527.	3.5	37
27	Carboxylated Chitosan Nanocrystals: A Synthetic Route and Application as Superior Support for Gold-Catalyzed Reactions. <i>Biomacromolecules</i> , 2020, 21, 2236-2245.	5.4	29
28	Carbon Nanotube-Based Electrochemical Biosensing Platforms: Fundamentals, Applications, and Future Possibilities. <i>Recent Patents on Biotechnology</i> , 2007, 1, 181-191.	0.8	18
29	Preparation of Polymer- $\beta$ -Carbon Nanotube Composite Materials and Their Applications for Enzyme Entrapment. <i>Analytical Letters</i> , 2008, 41, 278-288.	1.8	17
30	Rapid detection of microorganisms with nanoparticles and electron microscopy. <i>Microscopy Research and Technique</i> , 2008, 71, 742-748.	2.2	16
31	Palladium nanoparticles supported on chitin-based nanomaterials as heterogeneous catalysts for the Heck coupling reaction. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 2477-2483.	2.2	10
32	Light-Assisted Synthesis of Pt $\sim$ Zn Porphyrin Nanocomposites and Their Use for Electrochemical Detection of Organohalides. <i>Analytical Chemistry</i> , 2005, 77, 5742-5749.	6.5	9
33	Effect of 3-Aminopropyltriethoxysilane on the Electrocatalysis of Carbon Nanotubes for Reagentless Glucose Biosensing. <i>Journal of Nanopharmaceutics and Drug Delivery</i> , 2013, 1, 64-73.	0.3	3