

# Vedran Milosavljevic

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45  
papers

850  
citations

16  
h-index

28  
g-index

49  
ext. papers

1,092  
ext. citations

5.3  
avg, IF

4.2  
L-index

| #  | Paper                                                                                                                                                                                                                            | IF   | Citations |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 45 | Conotoxin-derived biomimetic coiled cone-shaped peptide as ligand for selective nanodelivery to norepinephrine transporter-expressing neuroblastoma cells. <i>Applied Materials Today</i> , <b>2022</b> , 27, 101410             | 6.6  | 0         |
| 44 | Structural and biological characterization of anticancer nickel(II) bis(benzimidazole) complex. <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 217, 111395                                                             | 4.2  | 3         |
| 43 | Peptide-based electrochemical biosensors utilized for protein detection. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 180, 113087                                                                                        | 11.8 | 15        |
| 42 | One-pot synthesis of natural amine-modified biocompatible carbon quantum dots with antibacterial activity. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 580, 30-48                                            | 9.3  | 18        |
| 41 | Fully automated process for histamine detection based on magnetic separation and fluorescence detection. <i>Talanta</i> , <b>2020</b> , 212, 120789                                                                              | 6.2  | 9         |
| 40 | A Novel Biocompatible Titanium-Gadolinium Quantum Dot as a Bacterial Detecting Agent with High Antibacterial Activity. <i>Nanomaterials</i> , <b>2020</b> , 10,                                                                  | 5.4  | 2         |
| 39 | Peptide-Carbon Quantum Dots conjugate, Derived from Human Retinoic Acid Receptor Responder Protein 2, against Antibiotic-Resistant Gram Positive and Gram Negative Pathogenic Bacteria. <i>Nanomaterials</i> , <b>2020</b> , 10, | 5.4  | 13        |
| 38 | Encapsulation of Doxorubicin in Furcellaran/Chitosan Nanocapsules by Layer-by-Layer Technique for Selectively Controlled Drug Delivery. <i>Biomacromolecules</i> , <b>2020</b> , 21, 418-434                                     | 6.9  | 12        |
| 37 | Norepinephrine transporter-derived homing peptides enable rapid endocytosis of drug delivery nanovehicles into neuroblastoma cells. <i>Journal of Nanobiotechnology</i> , <b>2020</b> , 18, 95                                   | 9.4  | 3         |
| 36 | Characterization and Analysis of Probiotic-Derived Peptides Against Multi Drug Resistance Bacterial Infections. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1963                                                        | 5.7  | 3         |
| 35 | Intelligent and active composite films based on furcellaran: Structural characterization, antioxidant and antimicrobial activities. <i>Food Packaging and Shelf Life</i> , <b>2019</b> , 22, 100405                              | 8.2  | 16        |
| 34 | Development of furcellaran-gelatin films with Se-AgNPs as an active packaging system for extension of mini kiwi shelf life. <i>Food Packaging and Shelf Life</i> , <b>2019</b> , 21, 100339                                      | 8.2  | 33        |
| 33 | Zinc Phosphate-based nanoparticles as a novel antibacterial agent: study on rats after dietary exposure. <i>Journal of Animal Science and Biotechnology</i> , <b>2019</b> , 10, 17                                               | 6    | 17        |
| 32 | Nanocomposite Furcellaran Films-the Influence of Nanofillers on Functional Properties of Furcellaran Films and Effect on Linseed Oil Preservation. <i>Polymers</i> , <b>2019</b> , 11,                                           | 4.5  | 22        |
| 31 | Current Trends in Detection of Histamine in Food and Beverages. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 773-783                                                                                    | 5.7  | 30        |
| 30 | Synthesis and structural characterization of antimicrobial binuclear copper(II) coordination compounds bridged by hydroxy- and/or thiodipropionic acid. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 191, 8-20       | 4.2  | 3         |
| 29 | Europium and terbium Schiff base peptide complexes as potential antimicrobial agents against <i>Salmonella typhimurium</i> and <i>Pseudomonas aeruginosa</i> . <i>Chemical Papers</i> , <b>2018</b> , 72, 1437-1449              | 1.9  | 2         |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|
| 28 | Development and characterisation of furcellaran-gelatin films containing SeNPs and AgNPs that have antimicrobial activity. <i>Food Hydrocolloids</i> , <b>2018</b> , 83, 9-16                                                         | 10.6 | 47  |
| 27 | Real-Time Visualization of Cell Membrane Damage Using Gadolinium-Schiff Base Complex-Doped Quantum Dots. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 35859-35868                                                | 9.5  | 13  |
| 26 | Novel vancomycin-peptide conjugate as potent antibacterial agent against vancomycin-resistant. <i>Infection and Drug Resistance</i> , <b>2018</b> , 11, 1807-1817                                                                     | 4.2  | 16  |
| 25 | Functional Analysis of Novicidin Peptide: Coordinated Delivery System for Zinc via Schiff Base Ligand. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 2954-2969                                                                    | 6.3  | 2   |
| 24 | Selenium nanoparticles as a nutritional supplement. <i>Nutrition</i> , <b>2017</b> , 33, 83-90                                                                                                                                        | 4.8  | 223 |
| 23 | Real-time monitoring of the UV-induced formation of quantum dots on a milliliter, microliter, and nanoliter scale. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 1489-1497                                                            | 5.8  | 7   |
| 22 | Alternative Synthesis Route of Biocompatible Polyvinylpyrrolidone Nanoparticles and Their Effect on Pathogenic Microorganisms. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 221-233                                             | 5.6  | 9   |
| 21 | Antimicrobial Agent Based on Selenium Nanoparticles and Carboxymethyl Cellulose for the Treatment of Bacterial Infections. <i>Journal of Biomedical Nanotechnology</i> , <b>2017</b> , 13, 767-777                                    | 4    | 13  |
| 20 | Electrochemical Characterization of the Interaction of Multiwalled Carbon Nanotubes with Doxorubicin. <i>Analytical Letters</i> , <b>2017</b> , 50, 2335-2341                                                                         | 2.2  | 1   |
| 19 | Advanced nanotechnologies in avian influenza: Current status and future trends - A review. <i>Analytica Chimica Acta</i> , <b>2017</b> , 983, 42-53                                                                                   | 6.6  | 16  |
| 18 | Comparative study on toxicity of extracellularly biosynthesized and laboratory synthesized CdTe quantum dots. <i>Journal of Biotechnology</i> , <b>2017</b> , 241, 193-200                                                            | 3.7  | 29  |
| 17 | Antibody-free detection of infectious bacteria using quantum dots-based barcode assay. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 134, 325-332                                                          | 3.5  | 33  |
| 16 | Gold nanoparticles-modified nanomagnetite and quantum dots-based hybridization assay for detection of HPV. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 240, 503-510                                                      | 8.5  | 16  |
| 15 | Using CdTe/ZnSe core/shell quantum dots to detect DNA and damage to DNA. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 1277-1291                                                                                   | 7.3  | 30  |
| 14 | Exceptional release kinetics and cytotoxic selectivity of oxidised MWCNTs double-functionalised with doxorubicin and prostate-homing peptide. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 156, 123-132 <sup>6</sup> |      | 8   |
| 13 | Carbon Nanomaterials for Chromium (VI) Removal from Aqueous Solution <b>2016</b> , 109-126                                                                                                                                            |      |     |
| 12 | Particle-based immunochemical separation of methicillin resistant Staphylococcus aureus with indirect electrochemical detection of labeling oligonucleotides. <i>Analytical Methods</i> , <b>2016</b> , 8, 5123-5128                  | 3.2  | 9   |
| 11 | Antiviral activity of fullerene C60 nanocrystals modified with derivatives of anionic antimicrobial peptide maximin H5. <i>Monatshefte Für Chemie</i> , <b>2016</b> , 147, 905-918                                                    | 1.4  | 23  |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 10 | 3D printed stratospheric probe as a platform for determination of DNA damage based on carbon quantum dots/DNA complex fluorescence increase. <i>Monatshefte Für Chemie</i> , <b>2016</b> , 147, 873-880 | 1.4 | 5  |
| 9  | The Zinc-Schiff Base-Novocidin Complex as a Potential Prostate Cancer Therapy. <i>PLoS ONE</i> , <b>2016</b> , 11, e0163983                                                                             | 3.7 | 15 |
| 8  | A two-step protocol for isolation of influenza A (H7N7) virions and their RNA for PCR diagnostics based on modified paramagnetic particles. <i>Electrophoresis</i> , <b>2016</b> , 37, 2025-35          | 3.6 | 3  |
| 7  | Synthesis of carbon quantum dots for DNA labeling and its electrochemical, fluorescent and electrophoretic characterization. <i>Chemical Papers</i> , <b>2015</b> , 69,                                 | 1.9 | 25 |
| 6  | 3D-printed chip for detection of methicillin-resistant Staphylococcus aureus labeled with gold nanoparticles. <i>Electrophoresis</i> , <b>2015</b> , 36, 457-66                                         | 3.6 | 42 |
| 5  | The Composites of Graphene Oxide with Metal or Semimetal Nanoparticles and Their Effect on Pathogenic Microorganisms. <i>Materials</i> , <b>2015</b> , 8, 2994-3011                                     | 3.5 | 28 |
| 4  | ELISA-like Analysis of Cisplatinated DNA Using Magnetic Separation. <i>Nanobiomedicine</i> , <b>2015</b> , 2, 10                                                                                        | 4.8 |    |
| 3  | Use of nucleic acids anchor system to reveal apoferritin modification by cadmium telluride nanoparticles. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 2109-2118                          | 7.3 | 5  |
| 2  | SDS-PAGE as a Tool for Hydrodynamic Diameter-Dependent Separation of Quantum Dots. <i>Chromatographia</i> , <b>2015</b> , 78, 785-793                                                                   | 2.1 | 9  |
| 1  | Application of CdTe/ZnSe quantum dots in in vitro imaging of chicken tissue and embryo. <i>Photochemistry and Photobiology</i> , <b>2015</b> , 91, 417-23                                               | 3.6 | 22 |