

# Hab Grzegorz Celichowski

## List of Publications by Year in descending order

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75  
papers

2,106  
citations

257429

24  
h-index

254170

43  
g-index

75  
all docs

75  
docs citations

75  
times ranked

3552  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Detection Limits of DLS and UV-Vis Spectroscopy in Characterization of Polydisperse Nanoparticles Colloids. Journal of Nanomaterials, 2013, 2013, 1-10.  | 2.7 | 331       |
| 2  | The role of tannic acid and sodium citrate in the synthesis of silver nanoparticles. Journal of Nanoparticle Research, 2017, 19, 273.  | 1.9 | 182       |
| 3  | Tannic Acid Modified Silver Nanoparticles Show Antiviral Activity in Herpes Simplex Virus Type 2 Infection. PLoS ONE, 2014, 9, e104113.  | 2.5 | 167       |
| 4  | Tannic acid-modified silver nanoparticles for wound healing: the importance of size. International Journal of Nanomedicine, 2018, Volume 13, 991-1007.   | 6.7 | 101       |
| 5  | Antiviral Activity of Tannic Acid Modified Silver Nanoparticles: Potential to Activate Immune Response in Herpes Genitalis. Viruses, 2018, 10, 524.  | 3.3 | 94        |
| 6  | The synthesis of monodisperse silver nanoparticles with plant extracts. Colloids and Surfaces B: Biointerfaces, 2019, 177, 19-24.  | 5.0 | 69        |
| 7  | Multifunctional Tannic Acid/Silver Nanoparticle-Based Mucoadhesive Hydrogel for Improved Local Treatment of HSV Infection: In Vitro and In Vivo Studies. International Journal of Molecular Sciences, 2018, 19, 387. | 4.1 | 61        |
| 8  | Investigation of 3-mercaptopropyltrimethoxysilane self-assembled monolayers on Au(111) surface. Applied Surface Science, 2005, 242, 147-153.   | 6.1 | 48        |
| 9  | Air-stable, non-volatile resistive memory based on hybrid organic/inorganic nanocomposites. Organic Electronics, 2015, 18, 17-23.  | 2.6 | 47        |
| 10 | Assessment of in vitro cellular responses of monocytes and keratinocytes to tannic acid modified silver nanoparticles. Toxicology in Vitro, 2013, 27, 1798-1808.   | 2.4 | 44        |
| 11 | Gold nanoparticle bioconjugates labelled with <sup>211</sup> At for targeted alpha therapy. RSC Advances, 2017, 7, 41024-41032.  | 3.6 | 43        |
| 12 | Investigation on functionalization of cotton and viscose fabrics with AgNWs. Cellulose, 2017, 24, 409-422.   | 4.9 | 37        |
| 13 | A study on the in vitro percutaneous absorption of silver nanoparticles in combination with aluminum chloride, methyl paraben or di-n-butyl phthalate. Toxicology Letters, 2017, 272, 38-48.                         | 0.8 | 34        |
| 14 | Microwave-assisted TiO <sub>2</sub> : anatase formation on cotton and viscose fabric surfaces. Cellulose, 2016, 23, 2143-2159.   | 4.9 | 32        |
| 15 | Tannic Acid-Modified Silver and Gold Nanoparticles as Novel Stimulators of Dendritic Cells Activation. Frontiers in Immunology, 2018, 9, 1115.   | 4.8 | 32        |
| 16 | &lt;p&gt;Polyphenol-Conjugated Bimetallic Au@AgNPs for Improved Wound Healing&lt;/p&gt;. International Journal of Nanomedicine, 2020, Volume 15, 4969-4990.  | 6.7 | 32        |
| 17 | Superhydrophobic Surface by Replication of Laser Micromachined Pattern in Epoxy/Alumina Nanoparticle Composite. Journal of Nanomaterials, 2014, 2014, 1-11.  | 2.7 | 31        |
| 18 | Immobilization of Recombinant Human Catalase on Gold and Silver Nanoparticles. Applied Biochemistry and Biotechnology, 2018, 185, 717-735.   | 2.9 | 31        |

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|----|---|------|-----------|
| 19 | Tribological performance of some polyoxyethylene dithiophosphate derivatives water solutions. <i>Wear</i> , 2001, 249, 1077-1089.   | 3.1  | 29        |
| 20 | Superhydrophobic dual-sized filler epoxy composite coatings. <i>Surface and Coatings Technology</i> , 2013, 225, 66-74.   | 4.8  | 29        |
| 21 | Synthesis of monodisperse gold nanoparticles via electrospray-assisted chemical reduction method in cyclohexane. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 148-153.                          | 4.7  | 28        |
| 22 | Effect of the Alkyl Chain Length of Secondary Amines on the Phase Transfer of Gold Nanoparticles from Water to Toluene. <i>Langmuir</i> , 2014, 30, 6684-6693.  | 3.5  | 27        |
| 23 | Modification of epoxy resin, silicon and glass surfaces with alkyl- or fluoroalkylsilanes for hydrophobic properties. <i>Applied Surface Science</i> , 2016, 380, 91-100.   | 6.1  | 26        |
| 24 | Honeycomb-structured porous poly(3,4-ethylenedioxythiophene) composite layers on a gold electrode. <i>Thin Solid Films</i> , 2014, 565, 54-61.  | 1.8  | 24        |
| 25 | Comparison of the antioxidant activity of catalase immobilized on gold nanoparticles via specific and non-specific adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 707-714.                                      | 5.0  | 24        |
| 26 | Relationships between surface chemistry, nanotopography, wettability and ice adhesion in epoxy and SU-8 modified with fluoroalkylsilanes from the vapor phase. <i>Applied Surface Science</i> , 2019, 479, 489-498.                     | 6.1  | 24        |
| 27 | Toxicity of tannic acid-modified silver nanoparticles in keratinocytes: potential for immunomodulatory applications. <i>Toxicology in Vitro</i> , 2016, 35, 43-54.  | 2.4  | 23        |
| 28 | Electrospray deposition of gold nanoparticles from aqueous colloids on solid substrates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 486, 211-217.  | 4.7  | 22        |
| 29 | Tannic acid modification of metal nanoparticles: possibility for new antiviral applications. , 2017, , 335-363.   |      | 21        |
| 30 | Preparation and tribological tests of thin fluoroorganic films. <i>Applied Surface Science</i> , 2008, 254, 4273-4278.  | 6.1  | 19        |
| 31 | Vapor phase deposition of fluoroalkyl trichlorosilanes on silicon and glass: Influence of deposition conditions and chain length on wettability and adhesion forces. <i>Materials Chemistry and Physics</i> , 2018, 204, 305-314.       | 4.0  | 19        |
| 32 | Lactoferrin-Functionalized Noble Metal Nanoparticles as New Antivirals for HSV-2 Infection. <i>Microorganisms</i> , 2022, 10, 110.  | 3.6  | 18        |
| 33 | Multifunctional hybrid functionalization of cellulose fabrics with AgNWs and TiO <sub>2</sub> . <i>Carbohydrate Polymers</i> , 2017, 177, 397-405.  | 10.2 | 17        |
| 34 | Influence of Low-Pressure RF Plasma Treatment on Aramid Yarns Properties. <i>Molecules</i> , 2020, 25, 3476.  | 3.8  | 17        |
| 35 | The influence of the chain length and the functional group steric accessibility of thiols on the phase transfer efficiency of gold nanoparticles from water to toluene. <i>Polish Journal of Chemical Technology</i> , 2014, 16, 86-91. | 0.5  | 16        |
| 36 | Hydrophobization of epoxy nanocomposite surface with 1H,1H,2H,2H-perfluorooctyltrichlorosilane for superhydrophobic properties. <i>Open Physics</i> , 2012, 10, .   | 1.7  | 15        |

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|----|--|------|-----------|
| 37 | Cytotoxic effects in transformed and non-transformed human breast cell lines after exposure to silver nanoparticles in combination with selected aluminium compounds, parabens or phthalates. <i>Journal of Hazardous Materials</i> , 2020, 392, 122442. | 12.4 | 15        |
| 38 | A SnO <sub>2</sub> shell for high environmental stability of Ag nanowires applied for thermal management. <i>RSC Advances</i> , 2021, 11, 4174-4185.   | 3.6  | 15        |
| 39 | A Study of the Activity of Recombinant Mn-Superoxide Dismutase in the Presence of Gold and Silver Nanoparticles. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 1551-1568.   | 2.9  | 14        |
| 40 | Hydrophobic and superhydrophobic surfaces fabricated by plasma polymerization of perfluorohexane, perfluoro(2-methylpent-2-ene), and perfluoro(4-methylpent-2-ene). <i>Journal of Adhesion Science and Technology</i> , 2015, 29, 2035-2048.             | 2.6  | 13        |
| 41 | Dynamic water contact angle during initial phases of droplet impingement. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 508, 57-69.  | 4.7  | 13        |
| 42 | Inhibitory effect of silver nanoparticles on proliferation of estrogen-dependent MCF-7/BUS human breast cancer cells induced by butyl paraben or di-n-butyl phthalate. <i>Toxicology and Applied Pharmacology</i> , 2017, 337, 12-21.                    | 2.8  | 13        |
| 43 | The effect of immobilized antioxidant enzymes on the oxidative stress in UV-irradiated rat skin. <i>Nanomedicine</i> , 2020, 15, 23-39.  | 3.3  | 13        |
| 44 | Formation of nanostructured TiO <sub>2</sub> -anatase films on the basalt fiber surface. <i>Surface and Coatings Technology</i> , 2015, 276, 686-695.  | 4.8  | 12        |
| 45 | Interactions of hybrid gold-tannic acid nanoparticles with human serum albumin. <i>European Biophysics Journal</i> , 2017, 46, 49-57.  | 2.2  | 12        |
| 46 | Magnetic nanoparticles bearing metallocarbonyl moiety as antibacterial and antifungal agents. <i>Applied Surface Science</i> , 2019, 487, 601-609.   | 6.1  | 12        |
| 47 | Catalase-modified gold nanoparticles: Determination of the degree of protein adsorption by gel electrophoresis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 533-539.  | 5.0  | 11        |
| 48 | Flash thermolysis of dibenzyl and diphenyl disulphides. <i>Wear</i> , 2000, 237, 295-299.  | 3.1  | 10        |
| 49 | The Influence of Methyl Group Content on Tribological Properties of Organo-Silica Thin Films. <i>Tribology Letters</i> , 2003, 14, 181-185.  | 2.6  | 9         |
| 50 | Dynamic contact of droplet with superhydrophobic surface in conditions favour icing. <i>Journal of Physics: Conference Series</i> , 2014, 530, 012028.   | 0.4  | 9         |
| 51 | A molecular-beam study of the tribological chemistry of carbon tetrachloride on oxygen-covered iron. <i>Tribology Letters</i> , 2001, 9, 161-165.  | 2.6  | 8         |
| 52 | Synthesis and characterization of metallocarbonyl functionalized gold nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 385, 241-248.   | 4.7  | 8         |
| 53 | Assessment of acute toxicological effects of molybdenum(IV) disulfide nano- and microparticles after single intratracheal administration in rats. <i>Science of the Total Environment</i> , 2020, 742, 140545.   | 8.0  | 8         |
| 54 | Comparative analysis of biological effects of molybdenum(IV) sulfide in the form of nano- and microparticles on human hepatoma HepG2 cells grown in 2D and 3D models. <i>Toxicology in Vitro</i> , 2020, 68, 104931.                                     | 2.4  | 8         |

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|----|--|-----|-----------|
| 55 | Influence of Modified Epoxy Resins on Peroxide Curing, Mechanical Properties and Adhesion of SBR, NBR and XNBR to Silver Wires. Part I: Application of Monoperoxy Derivative of Epoxy Resin (PO). <i>Materials</i> , 2021, 14, 1320.   | 2.9 | 8         |
| 56 | Core/Shell Ag/SnO <sub>2</sub> Nanowires for Visible Light Photocatalysis. <i>Catalysts</i> , 2022, 12, 30.  | 3.5 | 8         |
| 57 | Comparison of Two Methods of Methyl Group Grafting to the Silica Thin Film Surface and Its Tribological Properties Measured by Atomic Force Microscopy. <i>Tribology Letters</i> , 2004, 16, 181-185.  | 2.6 | 7         |
| 58 | Modification of gold and silver nanoparticles with n-dialkyldithiophosphates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 468, 219-225.  | 4.7 | 7         |
| 59 | Load-carrying synergism of binary additive systems: dibenzyl disulphide and halogenated hydrocarbons. <i>Tribology International</i> , 1999, 32, 315-325.  | 5.9 | 6         |
| 60 | Specific binding of a biotinylated, metallocarbonyl-labelled dendrimer to immobilized avidin detected by diffuse-reflectance infrared Fourier transform spectroscopy. <i>Applied Organometallic Chemistry</i> , 2004, 18, 105-110.   | 3.5 | 6         |
| 61 | Printed Nonvolatile Resistive Memories Based on a Hybrid Organic/Inorganic Functional Ink. <i>Advanced Materials Technologies</i> , 2017, 2, 1700058.  | 5.8 | 6         |
| 62 | Influence of Modified Epoxy Resins on Peroxide Curing, Mechanical Properties and Adhesion of SBR, NBR and XNBR to Silver Wires – Part II: Application of Carboxy-Containing Peroxy Oligomer (CPO). <i>Materials</i> , 2021, 14, 1285.  | 2.9 | 6         |
| 63 | Versatile Phase Transfer Method for the Efficient Surface Functionalization of Gold Nanoparticles: Towards Controlled Nanoparticle Dispersion in a Polymer Matrix. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-10.   | 2.7 | 5         |
| 64 | Friction properties of triazine-containing hybrid composites. <i>Tribology Letters</i> , 2006, 24, 119-126.  | 2.6 | 4         |
| 65 | Facile synthesis of SnO <sub>2</sub> shell followed by microwave treatment for high environmental stability of Ag nanoparticles. <i>RSC Advances</i> , 2020, 10, 38424-38436.  | 3.6 | 4         |
| 66 | Differences in corona formation of catalase immobilised on gold and silver nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 600, 125003.   | 4.7 | 4         |
| 67 | Quantification of metal dithiocarbamates by thin-layer chromatography. <i>Journal of Planar Chromatography - Modern TLC</i> , 2013, 26, 502-507.   | 1.2 | 3         |
| 68 | Droplet Impact in Icing Conditions – Experimental Study for WE 540. <i>Archive of Mechanical Engineering</i> , 2017, 64, 165-175.  | 0.7 | 3         |
| 69 | Antioxidant enzymes immobilized on gold and silver nanoparticles enhance DNA repairing systems of rat skin after exposure to ultraviolet radiation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 43, 102558.   | 3.3 | 3         |
| 70 | Analysis of dithiocarbamate – thiuram disulfide mixtures. <i>Analyst</i> , 1995, 120, 2273-2275.   | 3.5 | 2         |
| 71 | Preparation of metallocarbonyl – gold-antibody bioconjugates for mid-IR optical immunosensing. <i>Journal of Organometallic Chemistry</i> , 2013, 734, 32-37.  | 1.8 | 2         |
| 72 | Combined effect of silver nanoparticles and aluminium chloride, butylparaben or diethylphthalate on the malignancy of MDA-MB-231 breast cancer cells and tumor-specific immune responses of human macrophages and monocyte-derived dendritic cells. <i>Toxicology in Vitro</i> , 2020, 65, 104774. | 2.4 | 2         |

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|----|--|-----|-----------|
| 73 | Silver Nanowires and Silanes in Hybrid Functionalization of Aramid Fabrics. <i>Molecules</i> , 2022, 27, 1952.   | 3.8 | 2         |
| 74 | Systematic Studies of Gold Nanoparticles Functionalised with Thioglucose and its Cytotoxic Effect. <i>ChemistrySelect</i> , 2021, 6, 1230-1237.            | 1.5 | 1         |
| 75 | Combined effect of silver nanoparticles and other cosmetic additives on viability of human breast cell lines. <i>Toxicology Letters</i> , 2015, 238, S207. | 0.8 | 0         |