# Bernard Nisol

List of Publications by Year
in descending order



| 33 | 650 | 516710 16 | 580821 25 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 36 | 36 | 36 | 587 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Plasmaâ€Modified PTFE for Biological Applications: Correlation between Proteinâ€Resistant Properties and Surface Characteristics. Plasma Processes and Polymers, 2008, 5, 661-671. | 3.0 | 59 |
| 2 | Poly(ethylene glycol) Films Deposited by Atmospheric Pressure Plasma Liquid Deposition and Atmospheric Pressure Plasmaâ€Enhanced Chemical Vapour Deposition: Process, Chemical Composition Analysis and Biocompatibility. Plasma Processes and Polymers, 2010, 7, 715-725. | 3.0 | 55 |
| 3 | Challenges in the characterization of plasma polymers using XPS. Journal of Electron Spectroscopy and Related Phenomena, 2015, 200, 311-331. | 1.7 | 40 |
| 4 | Precise energy and temperature measurements in dielectric barrier discharges at atmospheric pressure. Plasma Sources Science and Technology, 2015, 24, 045004. | 3.1 | 39 |
| 5 | Evaluation of the Yasuda parameter for the atmospheric plasma deposition of allyl methacrylate. RSC Advances, 2015, 5, 27449-27457. | 3.6 | 35 |
| 6 | Energy Conversion Efficiency in Low- and Atmospheric-Pressure Plasma Polymerization Processes, Part II: HMDSO. Plasma Chemistry and Plasma Processing, 2017, 37, 257-271. | 2.4 | 35 |
| 7 | Energy of Reactions in Atmosphericâ€Pressure Plasma Polymerization with Inert Carrier Gas. Plasma Processes and Polymers, 2016, 13, 366-374. | 3.0 | 34 |
| 8 | Energy Conversion Efficiency in Plasma Polymerization â€“ A Comparison of Lowâ€•and Atmosphericâ€Pressure Processes. Plasma Processes and Polymers, 2016, 13, 834-842. | 3.0 | 31 |
| 9 | The Impact of Double Bonds in the APPECVD of Acrylate-Like Precursors. Plasma Processes and Polymers, 2013, 10, 857-863. | 3.0 | 27 |
| 10 | Surface Characterization of Atmospheric Pressure Plasmaâ€Deposited Allyl Methacrylate and Acrylic Acid Based Coatings. Plasma Processes and Polymers, 2013, 10, 564-571. | 3.0 | 27 |
| 11 | Energetics of Reactions in a Dielectric Barrier Discharge with Argon Carrier Gas: II Mixtures with Different Molecules. Plasma Processes and Polymers, 2016, 13, 557-564. | 3.0 | 25 |
| 12 | Deposition and Characterisation of Plasma Polymerised Allyl Methacrylate Based Coatings. Plasma Processes and Polymers, 2012, 9, 799-807. | 3.0 | 21 |
| 13 | Energetics of Molecular Excitation, Fragmentation, and Polymerization in a Dielectric Barrier Discharge with Argon Carrier Gas. Langmuir, 2015, 31, 10125-10129. | 3.5 | 21 |
| 14 | About the Influence of Double Bonds in the APPECVD of Acrylateâ€Like Precursors: A Mass Spectrometry Study of the Plasma Phase. Plasma Processes and Polymers, 2014, 11, 335-344. | 3.0 | 18 |
| 15 | Energetics of Reactions in a Dielectric Barrier Discharge with Argon Carrier Gas: III Esters. Plasma Processes and Polymers, 2016, 13, 900-907. | 3.0 | 18 |
| 16 | Energy conversion efficiency in low- and atmospheric-pressure plasma polymerization processes with hydrocarbons. Physical Chemistry Chemical Physics, 2019, 21, 8698-8708. | 2.8 | 17 |
| 17 | Largeâ€area atmospheric pressure dielectric barrier discharges in Arâ€“HMDSO mixtures: Experiments and fluid modelling. Plasma Processes and Polymers, 2020, 17, 1900169. | 3.0 | 17 |
| 18 | Plasma Polymerization of a Saturated Branched Hydrocarbon. The Case of Heptamethylnonane. Plasma Processes and Polymers, 2013, 10, 51-59. | 3.0 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Easy Synthesis of Ageing-Resistant Coatings with Tunable Wettability by Atmospheric Pressure Plasma. Plasma Chemistry and Plasma Processing, 2016, 36, 1239-1252. | 2.4 | 13 |
| 20 | Energetics of reactions in a dielectric barrier discharge with argon carrier gas: IV ethyl lactate. Plasma Processes and Polymers, 2016, 13, 965-969. | 3.0 | 13 |
| 21 | Nanoporous Sponges as Carbon-Based Sorbents for Atmospheric Water Generation. Industrial & Engineering Chemistry Research, 2021, 60, 12923-12933. | 3.7 | 13 |
| 22 | Cold plasma oxidation of harmful algae and associated metabolite BMAA toxin in aqueous suspension. Plasma Processes and Polymers, 2019, 16, 1800137. | 3.0 | 12 |
| 23 | Growth and characterization of WSe2 single crystals using TeCl4 as transport agent. Journal of Crystal Growth, 2016, 453, 111-118. | 1.5 | 10 |
| 24 | Energetics of reactions in a dielectric barrier discharge with argon carrier gas: V hydrocarbons. Plasma Processes and Polymers, 2017, 14, 1600191. | 3.0 | 10 |
| 25 | Energetics of reactions in a dielectric barrier discharge with argon carrier gas: VI PEGâ€like coatings. Plasma Processes and Polymers, 2018, 15, 1700132. | 3.0 | 9 |
| 26 | Incorporation of corrosion inhibitor in plasma polymerized allyl methacrylate coatings and evaluation of its corrosion performance. Surface and Coatings Technology, 2014, 259, 714-724. | 4.8 | 8 |
| 27 | A novel 3D co-culture platform for integrating tissue interfaces for tumor growth, migration and therapeutic sensitivity: â€œPP-3D-Sâ€• Materials Science and Engineering C, 2022, 134, 112566. | 7.3 | 8 |
| 28 | Epiâ€fluorescence Microscopy as a Tool for Relative Quantification of the Antiâ€Biofouling Character of Atmospheric Pressure Plasmaâ€Polymerized Biomaterials. Plasma Processes and Polymers, 2015, 12, 991-1001. | 3.0 | 6 |
| 29 | Energetics of Noble Gas Dielectric Barrier Discharges: Novel Results Related to Electrode Areas and Dielectric Materials. IEEE Transactions on Plasma Science, 2019, 47, 2680-2688. | 1.3 | 4 |
| 30 | Energetics of reactions in a dielectric barrier discharge with argon carrier gas: VII anhydrides. Plasma Processes and Polymers, 2019, 16, 1800186. | 3.0 | 4 |
| 31 | Use of remote atmospheric mass spectrometry in atmospheric plasma polymerization of hydrophilic and hydrophobic coatings. Plasma Processes and Polymers, 2020, 17, 1900250. | 3.0 | 4 |
| 32 | Energetics of reactions in a dielectric barrier discharge with argon carrier gas: VIII hydrofluoromethanes. Plasma Processes and Polymers, 2020, 17, 1900125. | 3.0 | 1 |
| 33 | Organic coatings from acetylene at atmospheric pressure: UV light versus plasma. Plasma Processes and Polymers, 2021, 18, 2000211. | 3.0 | 0 |