

# Nikolas Antonatos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8408696/publications.pdf>

Version: 2024-02-01

28  
papers

573  
citations

759055

12  
h-index

642610

23  
g-index

32  
all docs

32  
docs citations

32  
times ranked

651  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | MXene Titanium Carbide-based Biosensor: Strong Dependence of Exfoliation Method on Performance. <i>Analytical Chemistry</i> , 2020, 92, 2452-2459.   | 3.2 | 155       |
| 2  | MAX and MAB Phases: Two-Dimensional Layered Carbide and Boride Nanomaterials for Electrochemical Applications. <i>ACS Applied Nano Materials</i> , 2019, 2, 6010-6021.   | 2.4 | 47        |
| 3  | Positive and Negative Effects of Dopants toward Electrocatalytic Activity of MoS <sub>2</sub> and WS <sub>2</sub> : Experiments and Theory. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 20383-20392. | 4.0 | 38        |
| 4  | Non-aqueous solution-processed phosphorene by controlled low-potential electrochemical exfoliation and thin film preparation. <i>Nanoscale</i> , 2020, 12, 2638-2647.  | 2.8 | 33        |
| 5  | Elements beyond graphene: Current state and perspectives of elemental monolayer deposition by bottom-up approach. <i>Applied Materials Today</i> , 2020, 18, 100502.   | 2.3 | 29        |
| 6  | “Top-down” Arsenene Production by Low-Potential Electrochemical Exfoliation. <i>Inorganic Chemistry</i> , 2020, 59, 11259-11265.   | 1.9 | 23        |
| 7  | Large-Scale Production of Nanocrystalline Black Phosphorus Ceramics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 7381-7391.  | 4.0 | 23        |
| 8  | Comparison between layered Pt <sub>3</sub> Te <sub>4</sub> and PtTe <sub>2</sub> for electrocatalytic reduction reactions. <i>FlatChem</i> , 2021, 29, 100280.   | 2.8 | 22        |
| 9  | Acetonitrile-assisted exfoliation of layered grey and black arsenic: contrasting properties. <i>Nanoscale Advances</i> , 2020, 2, 1282-1289.   | 2.2 | 21        |
| 10 | In Situ Doping of Black Phosphorus by High-Pressure Synthesis. <i>Inorganic Chemistry</i> , 2019, 58, 10227-10238.   | 1.9 | 20        |
| 11 | Rhenium Doping of Layered Transition-Metal Diselenides Triggers Enhancement of Photoelectrochemical Activity. <i>ACS Nano</i> , 2021, 15, 2374-2385.   | 7.3 | 19        |
| 12 | Edge-Hydrogenated Germanene by Electrochemical Decalcification-Exfoliation of CaGe <sub>2</sub> : Germanene-Enabled Vapor Sensor. <i>ACS Nano</i> , 2021, 15, 16709-16718.   | 7.3 | 15        |
| 13 | Effect of surface chemistry on bio-conjugation and bio-recognition abilities of 2D germanene materials. <i>Nanoscale</i> , 2021, 13, 1893-1903.  | 2.8 | 13        |
| 14 | Self-Powered Broadband Photodetector and Sensor Based on Novel Few-Layered Pd <sub>3</sub> (PS <sub>4</sub> ) <sub>2</sub> Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 30806-30817.      | 4.0 | 13        |
| 15 | Black arsenic: a new synthetic method by catalytic crystallization of arsenic glass. <i>Nanoscale</i> , 2020, 12, 5397-5401.   | 2.8 | 12        |
| 16 | Electrochemical Exfoliation of Janus-like BiTeI Nanosheets for Electrocatalytic Nitrogen Reduction. <i>ACS Applied Nano Materials</i> , 2021, 4, 590-599.  | 2.4 | 12        |
| 17 | Photocatalytic activity of twist-angle stacked 2D TaS <sub>2</sub> . <i>Npj 2D Materials and Applications</i> , 2021, 5, .   | 3.9 | 12        |
| 18 | Noncovalent Functionalization of Pnictogen Surfaces: From Small Molecules to 2D Heterostructures. <i>Small</i> , 2019, 15, e1903495.   | 5.2 | 11        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Exfoliated Fe <sub>3</sub> GeTe <sub>2</sub> and Ni <sub>3</sub> GeTe <sub>2</sub> materials as water splitting electrocatalysts. FlatChem, 2022, 32, 100334.   | 2.8 | 11        |
| 20 | Simple Bottom-Up Synthesis of Bismuthene Nanostructures with a Suitable Morphology for Competitive Performance in the Electrocatalytic Nitrogen Reduction Reaction. Inorganic Chemistry, 2022, 61, 5524-5538. | 1.9 | 9         |
| 21 | Fine-tuning the functionality of reduced graphene oxide via bipolar electrochemistry in freestanding 2D reaction layers. Carbon, 2022, 191, 439-447.  | 5.4 | 8         |
| 22 | Dealloying layered PdBi <sub>2</sub> nanoflakes to palladium hydride leads to enhanced electrocatalytic N <sub>2</sub> reduction. Journal of Materials Chemistry A, 2022, 10, 11904-11916.                    | 5.2 | 6         |
| 23 | Heat-Up Colloidal Synthesis of Shape-Controlled Cu-Se-S Nanostructures—Role of Precursor and Surfactant Reactivity and Performance in N <sub>2</sub> Electroreduction. Nanomaterials, 2021, 11, 3369.         | 1.9 | 6         |
| 24 | Simultaneous microwave-assisted reduction and B/N co-doping of graphene oxide for selective recognition of VOCs. Journal of Materials Chemistry C, 2022, 10, 3307-3317.                                       | 2.7 | 5         |
| 25 | Catalytic Adsorptive Stripping Chronopotentiometry of Co(II)â€”DMGâ€”Bromate System at an In Situ Plated Lead Film Electrode. Electroanalysis, 2013, 25, 2298-2304.   | 1.5 | 4         |
| 26 | Mineralizer-free synthesis of orthorhombic arsenic-phosphorus alloys. FlatChem, 2021, 30, 100297.   | 2.8 | 4         |
| 27 | Photomodification of benzyl germanane with group 6 metal carbonyls. FlatChem, 2022, 33, 100354.   | 2.8 | 2         |
| 28 | Arsenene and Antimonene. , 2022, , 149-172.   |     | 0         |