

Stefan K Kolev

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Interaction of Na ⁺ , K ⁺ , Mg ²⁺ and Ca ²⁺ counter cations with RNA. Metallomics, 2018, 10, 659-678. | 2.4 | 42 |
| 2 | Density Functional Study of Hydrogen Bond Formation between Methanol and Organic Molecules Containing Cl, F, NH ₂ , OH, and COOH Functional Groups. Journal of Physical Chemistry A, 2011, 115, 14054-14068. | 2.5 | 19 |
| 3 | Ab Initio Molecular Dynamics of Na ⁺ and Mg ²⁺ Counterions at the Backbone of RNA in Water Solution. ACS Chemical Biology, 2013, 8, 1576-1589. | 3.4 | 16 |
| 4 | Computational capacity of pyramidal neurons in the cerebral cortex. Brain Research, 2020, 1748, 147069. | 2.2 | 16 |
| 5 | Interaction of Graphene with Out-of-Plane Aromatic Hydrocarbons. Journal of Physical Chemistry C, 2019, 123, 21448-21456. | 3.1 | 14 |
| 6 | Pulsed laser deposition of thin carbon films on SiO ₂ /Si substrates. Applied Surface Science, 2019, 480, 323-329. | 6.1 | 14 |
| 7 | Synthesis of graphene-like phases in a water colloid by laser ablation of graphite. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 247, 114379. | 3.5 | 9 |
| 8 | Dissolution Behavior and Varied Mesoporosity of Zeolites by NH ₄ F Etching. Chemistry - A European Journal, 2022, 28, e202104339. | 3.3 | 9 |
| 9 | Surface chemistry of reduced graphene oxide: H-atom transfer reactions. Applied Surface Science, 2021, 567, 150815. | 6.1 | 8 |
| 10 | Hydrogen Atom Transfer from Water or Alcohols Activated by Presolvated Electrons. Journal of Physical Chemistry Letters, 2015, 6, 986-992. | 4.6 | 7 |
| 11 | Deposition of defected graphene on (001) Si substrates by thermal decomposition of acetone. Superlattices and Microstructures, 2017, 111, 45-56. | 3.1 | 6 |
| 12 | Sodium and Magnesium Ion Location at the Backbone and at the Nucleobase of RNA: <i>Ab Initio</i> Molecular Dynamics in Water Solution. ACS Omega, 2022, 7, 23234-23244. | 3.5 | 3 |
| 13 | Band gap modulation of graphene on SiC. European Physical Journal B, 2018, 91, 1. | 1.5 | 1 |
| 14 | Modification of graphene-like, hydrogenated amorphous, hydrogenated tetrahedral amorphous carbon and amorphous carbon thin films by UV-C light. Surfaces and Interfaces, 2021, 24, 101073. | 3.0 | 1 |
| 15 | Aluminized Enhanced Blast Explosive Based on Polysiloxane Binder. Propellants, Explosives, Pyrotechnics, 2022, 47, . | 1.6 | 1 |