

# Stefan K Kolev

## List of Publications by Year in descending order

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15  
papers

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1464605

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times ranked

252  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Aluminized Enhanced Blast Explosive Based on Polysiloxane Binder. Propellants, Explosives, Pyrotechnics, 2022, 47, .  | 1.0 | 1         |
| 2  | Dissolution Behavior and Varied Mesoporosity of Zeolites by $\text{NH}_4^+$ Etching. Chemistry - A European Journal, 2022, 28, e202104339.  | 1.7 | 9         |
| 3  | 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.   | 1.6 | 3         |
| 4  | 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.                            | 1.5 | 1         |
| 5  | Surface chemistry of reduced graphene oxide: H-atom transfer reactions. Applied Surface Science, 2021, 567, 150815.   | 3.1 | 8         |
| 6  | Computational capacity of pyramidal neurons in the cerebral cortex. Brain Research, 2020, 1748, 147069.   | 1.1 | 16        |
| 7  | Interaction of Graphene with Out-of-Plane Aromatic Hydrocarbons. Journal of Physical Chemistry C, 2019, 123, 21448-21456.   | 1.5 | 14        |
| 8  | 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.                            | 1.7 | 9         |
| 9  | Pulsed laser deposition of thin carbon films on $\text{SiO}_2/\text{Si}$ substrates. Applied Surface Science, 2019, 480, 323-329.   | 3.1 | 14        |
| 10 | Interaction of $\text{Na}^+$ , $\text{K}^+$ , $\text{Mg}^{2+}$ and $\text{Ca}^{2+}$ counter cations with RNA. Metallomics, 2018, 10, 659-678.   | 1.0 | 42        |
| 11 | Band gap modulation of graphene on $\text{SiC}$ . European Physical Journal B, 2018, 91, 1.   | 0.6 | 1         |
| 12 | Deposition of defected graphene on (001) Si substrates by thermal decomposition of acetone. Superlattices and Microstructures, 2017, 111, 45-56.  | 1.4 | 6         |
| 13 | Hydrogen Atom Transfer from Water or Alcohols Activated by Presolvated Electrons. Journal of Physical Chemistry Letters, 2015, 6, 986-992.  | 2.1 | 7         |
| 14 | Ab Initio Molecular Dynamics of $\text{Na}^+$ and $\text{Mg}^{2+}$ Counterions at the Backbone of RNA in Water Solution. ACS Chemical Biology, 2013, 8, 1576-1589.  | 1.6 | 16        |
| 15 | Density Functional Study of Hydrogen Bond Formation between Methanol and Organic Molecules Containing Cl, F, $\text{NH}_2$ , OH, and COOH Functional Groups. Journal of Physical Chemistry A, 2011, 115, 14054-14068. | 1.1 | 19        |