# Sangeetha Selvam

List of Publications by Year
in descending order



| 16 | 386 | 933447 10 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 18 | 18 | 18 | 722 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Functional pigments from chromium(III) oxide nanoparticles. Dyes and Pigments, 2012, 94, 548-552. | 3.7 | 70 |
| 2 | Exploded view of higher order G-quadruplex structures through click-chemistry assisted single-molecule mechanical unfolding. Nucleic Acids Research, 2016, 44, 45-55. | 14.5 | 67 |
| 3 | Quantification of Topological Coupling between DNA Superhelicity and G-quadruplex Formation. Journal of the American Chemical Society, 2014, 136, 13967-13970. | 13.7 | 48 |
| 4 | Influence of functionalized nanoparticles on conformational stability of type I collagen for possible biomedical applications. Materials Science and Engineering C, 2013, 33, 4985-4988. | 7.3 | 26 |
| 5 | Fluorescent nanonetworks: A novel bioalley for collagen scaffolds and Tissue Engineering. Scientific Reports, 2015, 4, 5968. | 3.3 | 26 |
| 6 | Enhancing collagen stability through nanostructures containing chromium(III) oxide. Colloids and Surfaces B: Biointerfaces, 2012, 100, 36-41. | 5.0 | 25 |
| 7 | Structurally modified 1,10-phenanthroline based fluorophores for specific sensing of Ni2+ and Cu2+ ions. Dalton Transactions, 2012, 41, 5769. | 3.3 | 25 |
| 8 | Quantification of Chemical and Mechanical Effects on the Formation of the G-Quadruplex and i-Motif in Duplex DNA. Biochemistry, 2017, 56, 4616-4625. | 2.5 | 21 |
| 9 | A Molecular Tuning Fork in Singleâ€Molecule Mechanochemical Sensing. Angewandte Chemie - International Edition, 2015, 54, 7607-7611. | 13.8 | 16 |
| 10 | Collagen-nanoparticle Interactions: Type I Collagen Stabilization Using Functionalized Nanoparticles. Soft Materials, 2015, 13, 59-65. | 1.7 | 14 |
| 11 | Fatal attraction: The roles of ribosomal proteins in the viral life cycle. Wiley Interdisciplinary Reviews RNA, 2021, 12, e1613. | 6.4 | 11 |
| 12 | Mechanochemical Sensing of Single and Few Hg(II) Ions Using Polyvalent Principles. Analytical Chemistry, 2016, 88, 9479-9485. | 6.5 | 8 |
| 13 | Ensemble Sensing Using Single-Molecule DNA Copolymers. Analytical Chemistry, 2020, 92, 13126-13133. | 6.5 | 8 |
| 14 | Mechanical Cooperativity in DNA Cruciform Structures. ChemPhysChem, 2018, 19, 2627-2634. | 2.1 | 6 |
| 15 | Dissecting Cooperative Communications in a Protein with a Highâ€Throughput Singleâ€Molecule Scalpel. ChemPhysChem, 2015, 16, 223-232. | 2.1 | 5 |
| 16 | Intermediates Stabilized by Tryptophan Pairs Exist in Trpzip Beta-Hairpins. Biochemistry, 2014, 53, 5978-5986. | 2.5 | 4 |