# Loic Stefan

List of Publications by Year
in descending order



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|---|---|---|---|
| 29 papers | 1,158 citations | 516710 16 h-index | 526287 27 g-index |
| 30 all docs | 30 docs citations | 30 times ranked | 1579 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Caffeine-Based Gold(I) N-Heterocyclic Carbenes as Possible Anticancer Agents: Synthesis and Biological Properties. Inorganic Chemistry, 2014, 53, 2296-2303. | 4.0 | 196 |
| 2 | Insights into how nucleotide supplements enhance the peroxidase-mimicking DNAzyme activity of the G-quadruplex/hemin system. Nucleic Acids Research, 2012, 40, 8759-8772. | 14.5 | 140 |
| 3 | Deciphering the DNAzyme Activity of Multimeric Quadruplexes: Insights into Their Actual Role in the Telomerase Activity Evaluation Assay. Journal of the American Chemical Society, 2011, 133, 20405-20415. | 13.7 | 102 |
| 4 | A Twice-As-Smart Synthetic G-Quartet: PyroTASQ Is Both a Smart Quadruplex Ligand and a Smart Fluorescent Probe. Journal of the American Chemical Society, 2014, 136, 12406-12414. | 13.7 | 98 |
| 5 | Applications of guanine quartets in nanotechnology and chemical biology. Nature Reviews Chemistry, 2019, 3, 650-668. | 30.2 | 91 |
| 6 | Supramolecular amplification of amyloid self-assembly by iodination. Nature Communications, 2015, 6, 7574. | 12.8 | 88 |
| 7 | A Model of Smart G-Quadruplex Ligand. Journal of the American Chemical Society, 2013, 135, 550-553. | 13.7 | 86 |
| 8 | DOTASQ as a prototype of nature-inspired G-quadruplex ligand. Chemical Communications, 2011, 47, 4992. | 4.1 | 56 |
| 9 | Assessing the Differential Affinity of Small Molecules for Noncanonical DNA Structures. ChemBioChem, 2012, 13, 1905-1912. | 2.6 | 42 |
| 10 | Harnessing Natureâ€™s Insights: Synthetic Small Molecules with Peroxidaseâ€Mimicking DNAzyme Properties. Chemistry - A European Journal, 2011, 17, 10857-10862. | 3.3 | 37 |
| 11 | Multitasking Waterâ€Soluble Synthetic Gâ€Quartets: From Preferential RNAâ€“Quadruplex Interaction to Biocatalytic Activity. Chemistry - A European Journal, 2013, 19, 12739-12747. | 3.3 | 29 |
| 12 | Porphyrin-templated synthetic G-quartet (PorphySQ): a second prototype of G-quartet-based G-quadruplex ligand. Organic and Biomolecular Chemistry, 2012, 10, 5212. | 2.8 | 28 |
| 13 | Improving and fine-tuning the properties of peptide-based hydrogels via incorporation of peptide nucleic acids. Nanoscale, 2020, 12, 19905-19917. | 5.6 | 23 |
| 14 | Identifying three-way DNA junction-specific small-molecules. Biochimie, 2012, 94, 442-450. | 2.6 | 20 |
| 15 | Porphyrinâ€Based Design of Bioinspired Multitarget Quadruplex Ligands. ChemMedChem, 2014, 9, 2035-2039. | 3.2 | 19 |
| 16 | Emerging low-molecular weight nucleopeptide-based hydrogels: state of the art, applications, challenges and perspectives. Nanoscale, 2022, 14, 4908-4921. | 5.6 | 19 |
| 17 | Co-assembly and multicomponent hydrogel formation upon mixing nucleobase-containing peptides. Nanoscale, 2021, 13, 10566-10578. | 5.6 | 14 |
| 18 | Closer to nature: an ATP-driven bioinspired catalytic oxidation process. Chemical Communications, 2013, 49, 1500. | 4.1 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Surface-immobilized DNAzyme-type biocatalysis. Nanoscale, 2014, 6, 2693. | 5.6 | 11 |
| 20 | Both metal-chelating and free radical-scavenging synthetic pentapeptides as efficient inhibitors of reactive oxygen species generation. Metallomics, 2020, 12, 1220-1229. | 2.4 | 11 |
| 21 | Cyclohexamer [-(<scp>d</scp>-Phe-azaPhe-Ala)<sub>2</sub>-]: good candidate to formulate supramolecular organogels. RSC Advances, 2020, 10, 43859-43869. | 3.6 | 9 |
| 22 | Amino Acids Modification to Improve and Fine-Tune Peptide- Based Hydrogels. , 2017, , . | | 6 |
| 23 | Metabolomics approach based on LC-HRMS for the fast screening of iron(II)-chelating peptides in protein hydrolysates. Analytical and Bioanalytical Chemistry, 2021, 413, 315-329. | 3.7 | 5 |
| 24 | Synthetic G-Quartets as Versatile Nanotools for the Luminescent Detection of G-Quadruplexes. Chimia, 2015, 69, 530. | 0.6 | 4 |
| 25 | Electrically Switchable Nanolever Technology for the Screening of Metal-Chelating Peptides in Hydrolysates. Journal of Agricultural and Food Chemistry, 2021, 69, 8819-8827. | 5.2 | 4 |
| 26 | Rheological investigation of supramolecular physical gels in water/dimethylsulfoxide mixtures by lysine derivatives. Polymer International, 2021, 70, 256-268. | 3.1 | 3 |
| 27 | Rheological investigation of the influence of dextran on the self-assembly of lysine derivatives in water/dimethylsulfoxide mixtures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 625, 126908. | 4.7 | 2 |
| 28 | Bio-Inspired Casein-Derived Antioxidant Peptides Exhibiting a Dual Direct/Indirect Mode of Action. Inorganic Chemistry, 2022, 61, 1941-1948. | 4.0 | 2 |
| 29 | Native and Synthetic G-quartet-based DNAzyme Systems â€“ Artificial Enzymes for Biotechnological Applications. , 2016, , . | | 1 |