

# Martijn Constantijn de Koning

## List of Publications by Year in descending order

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31  
papers

869  
citations

471509

17  
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477307

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32  
docs citations

32  
times ranked

1209  
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of Paraoxon and the Chemical Warfare Agents VX, Tabun, and Soman by the Metal-Organic Frameworks UiO-66-NH <sub>2</sub> , MOF-808, NU-1000, and PCN-777. <i>Inorganic Chemistry</i> , 2017, 56, 11804-11809.	4.0	124
2	Nanometric MIL-125-NH <sub>2</sub> Metal-Organic Framework as a Potential Nerve Agent Antidote Carrier. <i>Nanomaterials</i> , 2017, 7, 321.	4.1	71
3	Different Virucidal Activities of Hyperbranched Quaternary Ammonium Coatings on Poliovirus and Influenza Virus. <i>Applied and Environmental Microbiology</i> , 2012, 78, 2456-2458.	3.1	69
4	Immobilized Regenerable Active Chlorine within a Zirconium-Based MOF Textile Composite to Eliminate Biological and Chemical Threats. <i>Journal of the American Chemical Society</i> , 2021, 143, 16777-16785.	13.7	64
5	Peripheral site ligand conjugation to a non-quaternary oxime enhances reactivation of nerve agent-inhibited human acetylcholinesterase. <i>Toxicology Letters</i> , 2011, 206, 54-59.	0.8	54
6	Degradation and Detection of the Nerve Agent VX by a Chromophore-Functionalized Zirconium MOF. <i>Chemistry of Materials</i> , 2019, 31, 7417-7424.	6.7	39
7	Peripheral site ligand-oxime conjugates: A novel concept towards reactivation of nerve agent-inhibited human acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 588-594.	3.0	38
8	A step toward the reactivation of aged cholinesterases - Crystal structure of ligands binding to aged human butyrylcholinesterase. <i>Chemico-Biological Interactions</i> , 2013, 203, 19-23.	4.0	36
9	Discovery of a potent non-oxime reactivator of nerve agent inhibited human acetylcholinesterase. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 151-160.	5.5	34
10	Simple and Efficient Solution-Phase Synthesis of Oligonucleotides Using Extractive Work-Up. <i>Organic Process Research and Development</i> , 2006, 10, 1238-1245.	2.7	33
11	Synthesis and in Vitro Evaluation of PNA-peptide-DETA Conjugates as Potential Cell Penetrating Artificial Ribonucleases. <i>Bioconjugate Chemistry</i> , 2004, 15, 576-582.	3.6	30
12	Synthetic developments towards PNA-peptide conjugates. <i>Current Opinion in Chemical Biology</i> , 2003, 7, 734-740.	6.1	29
13	Synthesis of thiol-modified peptide nucleic acids designed for post-assembly conjugation reactions. <i>Tetrahedron</i> , 2006, 62, 3248-3258.	1.9	29
14	Docking and molecular dynamics studies of peripheral site ligand-oximes as reactivators of sarin-inhibited human acetylcholinesterase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 1-11.	3.5	28
15	Development of a Metal-Organic Framework/Textile Composite for the Rapid Degradation and Sensitive Detection of the Nerve Agent VX. <i>Chemistry of Materials</i> , 2022, 34, 1269-1277.	6.7	22
16	Enzymatic Decontamination of G-Type, V-Type and Novichok Nerve Agents. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8152.	4.1	20
17	Effective Degradation of Novichok Nerve Agents by the Zirconium Metal-Organic Framework MOF-808. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 9222-9230.	8.0	18
18	An expeditious route to the synthesis of kelampayosides A and B. <i>Tetrahedron</i> , 1999, 55, 9881-9898.	1.9	17

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19	Application of the Ugi Multicomponent Reaction in the Synthesis of Reactivators of Nerve Agent Inhibited Acetylcholinesterase. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9376-9392.	6.4	17
20	Interactions between acetylcholinesterase, toxic organophosphorus compounds and a short series of structurally related non-oxime reactivators: Analysis of reactivation and inhibition kinetics in vitro. <i>Toxicology Letters</i> , 2018, 299, 218-225.	0.8	14
21	Study of the Glycosidation Properties of 1-Thiomannosazidopyranosides and 1-Thiomannosaziduronic Acid Esters. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 116-124.	2.4	13
22	An approach to the synthesis of peptideâ€“PNAâ€“peptide conjugates via native ligation. <i>Tetrahedron Letters</i> , 2002, 43, 8173-8176.	1.4	12
23	Theoretical NMR and conformational analysis of solvated oximes for organophosphates-inhibited acetylcholinesterase reactivation. <i>Journal of Molecular Structure</i> , 2018, 1152, 311-320.	3.6	10
24	Utilizing Zirconium MOFâ€“functionalized Fiber Substrates Prepared by Molecular Layer Deposition for Toxic Gas Capture and Chemical Warfare Agent Degradation. <i>Global Challenges</i> , 2021, 5, 2100001.	3.6	10
25	Synthesis of a PNA-Peptide Conjugate by Chemical Ligation. <i>Synlett</i> , 2001, 2001, 1516-1518.	1.8	7
26	A two-step sulfurization for efficient solution-phase synthesis of phosphorothioate oligonucleotides. <i>Tetrahedron Letters</i> , 2008, 49, 3129-3132.	1.4	7
27	Synthesis and in vitro evaluation of novel non-oximes for the reactivation of nerve agent inhibited human acetylcholinesterase. <i>Chemico-Biological Interactions</i> , 2020, 326, 109139.	4.0	7
28	Synthesis of 3,4,5-trimethoxyphenyl 5â€“O-caffeoyl-Î²-d-erythro-apiofuranosyl-(1â€“6)-Î²-d-glucopyranoside: Kelampayoside B. <i>Tetrahedron Letters</i> , 1998, 39, 4129-4132.	1.4	6
29	Synthesis of macrocyclic peptide nucleic acid derivatives via intramolecular chemical ligation. <i>Tetrahedron Letters</i> , 2003, 44, 7597-7600.	1.4	6
30	Contact transfer risk from fentanyl-contaminated RSDLÂ® Kit. <i>Toxicology Letters</i> , 2020, 319, 237-241.	0.8	5
31	Reactivity of PNA Thioesters in Chemical Ligation Reactions. <i>Synlett</i> , 2005, 2005, 595-598.	1.8	0