Willem Vanderlinden

List of Publications by Year
in descending order

37	2,086	430843	315719
papers	citations	18 h-index	38 g-index

44	44	44	3995
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantifying epigenetic modulation of nucleosome breathing by high-throughput AFM imaging. Biophysical Journal, 2022, 121, 841-851.	0.5	9
2	Twisting DNA by salt. Nucleic Acids Research, 2022, 50, 5726-5738.	14.5	34
3	Doubly Stabilized Perovskite Nanocrystal Luminescence Downconverters. Advanced Optical Materials, 2022, 10, .	7.3	1
4	A High-throughput Pipeline to Determine DNA and Nucleosome Conformations by AFM Imaging. Bio-protocol, 2021, 11, e4180.	0.4	4
5	High-throughput AFM analysis reveals unwrapping pathways of H3 and CENP-A nucleosomes. Nanoscale, 2021, 13, 5435-5447.	5.6	24
6	Molecular structure, DNA binding mode, photophysical properties and recommendations for use of SYBR Gold. Nucleic Acids Research, 2021, 49, 5143-5158.	14.5	31
7	The Free Energy Landscape of Retroviral Integration and Molecular Mechanisms of DNA Compaction. Biophysical Journal, 2020, 118, 375a-376a.	0.5	0
8	A benchmark data set for the mechanical properties of double-stranded DNA and RNA under torsional constraint. Data in Brief, 2020, 30, 105404.	1.0	6
9	Polymer Nanoreactors Shield Perovskite Nanocrystals from Degradation. Nano Letters, 2019, 19, 4928-4933.	9.1	57
10	Ru(TAP)32+ uses multivalent binding to accelerate and constrain photo-adduct formation on DNA. Chemical Communications, 2019, 55, 8764-8767.	4.1	8
11	Deciphering the Gene Regulatory Landscape Encoded in DNA Biophysical Features. IScience, 2019, 21, 638-649.	4.1	7
12	The free energy landscape of retroviral integration. Nature Communications, 2019, 10, 4738.	12.8	17
13	Orthogonal Probing of Single-Molecule Heterogeneity by Correlative Fluorescence and Force Microscopy. ACS Nano, 2018, 12, 168-177.	14.6	7
14	Free Energy Landscape and Dynamics of Supercoiled DNA by High-Speed Atomic Force Microscopy. ACS Nano, 2018, 12, 11907-11916.	14.6	39
15	Dynamics and energy landscape of DNA plectoneme nucleation. Physical Review E, 2018, 98, .	2.1	21
16	Measuring Single-Molecule Twist and Torque in Multiplexed Magnetic Tweezers. Methods in Molecular Biology, 2018, 1814, 75-98.	0.9	11
17	Correlative Atomic Force and Single-Molecule Fluorescence Microscopy of Nucleoprotein Complexes. Methods in Molecular Biology, 2018, 1814, 339-359.	0.9	1
18	Methyltransferase-directed covalent coupling of fluorophores to DNA. Chemical Science, 2017, 8, 3804-3811.	7.4	19

#	Article	IF	Citations
19	Twist-Bend Coupling and the Torsional Response of Double-Stranded DNA. Physical Review Letters, 2017, 118, 217801.	7.8	79
20	pH-Dependent Interactions in Dimers Govern the Mechanics and Structure of von Willebrand Factor. Biophysical Journal, 2016, 111, 312-322.	0.5	18
21	Dilution-Induced Formation of Hybrid Perovskite Nanoplatelets. ACS Nano, 2016, 10, 10936-10944.	14.6	130
22	von Willebrand factor is dimerized by protein disulfide isomerase. Blood, 2016, 127, 1183-1191.	1.4	45
23	Tuning the Optical Properties of Perovskite Nanoplatelets through Composition and Thickness by Ligandâ€Assisted Exfoliation. Advanced Materials, 2016, 28, 9478-9485.	21.0	276
24	Chemical vapour deposition of zeolitic imidazolate framework thinÂfilms. Nature Materials, 2016, 15, 304-310.	27.5	528
25	Force sensing by the vascular protein von Willebrand factor is tuned by a strong intermonomer interaction. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1208-1213.	7.1	51
26	Covalent Modification of Graphene and Graphite Using Diazonium Chemistry: Tunable Grafting and Nanomanipulation. ACS Nano, 2015, 9, 5520-5535.	14.6	274
27	Layer-by-Layer synthesis and tunable optical properties of hybrid magneticâ€“plasmonic nanocomposites using short bifunctional molecular linkers. Materials Letters, 2014, 118, 99-102.	2.6	23
28	Structure, mechanics, and binding mode heterogeneity of LEDGF/p75â€“DNA nucleoprotein complexes revealed by scanning force microscopy. Nanoscale, 2014, 6, 4611-4619.	5.6	24
29	Triplet harvesting in poly(9â€vinylcarbazole) and poly(9â€(2,3â€epoxypropyl)carbazole) doped with CdSe/ZnS quantum dots encapsulated with 16â€(Nâ€carbazolyl) hexadecanoic acid ligands. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 539-551.	2.1	3
30	Study of hole mobility in poly(N-vinylcarbazole) films doped with CdSe/ZnS quantum dots encapsulated by 11-(N-carbazolyl) undecanoic acid (C11). Journal of Applied Physics, 2013, 114, 173704.	2.5	6
31	Self-Assembled Air-Stable Supramolecular Porous Networks on Graphene. ACS Nano, 2013, 7, 10764-10772.	14.6	55
32	Chain relaxation dynamics of DNA adsorbing at a solidâ€“liquid interface. Nanoscale, 2013, 5, 2264.	5.6	7
33	Mesoscale DNA Structural Changes on Binding and Photoreaction with Ru[(TAP)₂PHEHAT]²⁺. Journal of the American Chemical Society, 2012, 134, 10214-10221.	13.7	43
34	Copper Benzene Tricarboxylate Metalâ€“Organic Framework with Wide Permanent Mesopores Stabilized by Keggin Polyoxometallate Ions. Journal of the American Chemical Society, 2012, 134, 10911-10919.	13.7	112
35	Water transport properties of artificial cell walls. Journal of Food Engineering, 2012, 108, 393-402.	5.2	29
36	Morphology and performance of solvent-resistant nanofiltration membranes based on multilayered polyelectrolytes: Study of preparation conditions. Journal of Membrane Science, 2010, 358, 150-157.	8.2	62

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37	Aggregation Kinetics of Macrocycles Detected by Magnetic Birefringence. Journal of the American Chemical Society, 2009, 131, 14134-14135.	13.7	10