

Damien Thompson

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

127
papers

2,738
citations

28
h-index

46
g-index

145
ext. papers

3,501
ext. citations

9.5
avg, IF

5.45
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 127 | The role of van der Waals forces in the performance of molecular diodes. <i>Nature Nanotechnology</i> , 2013 , 8, 113-8 | 28.7 | 245 |
| 126 | Controlling the direction of rectification in a molecular diode. <i>Nature Communications</i> , 2015 , 6, 6324 | 17.4 | 153 |
| 125 | Molecular diodes with rectification ratios exceeding 10 driven by electrostatic interactions. <i>Nature Nanotechnology</i> , 2017 , 12, 797-803 | 28.7 | 148 |
| 124 | Control of piezoelectricity in amino acids by supramolecular packing. <i>Nature Materials</i> , 2018 , 17, 180-186 | 27 | 118 |
| 123 | Gradient-driven motion of multivalent ligand molecules along a surface functionalized with multiple receptors. <i>Nature Chemistry</i> , 2011 , 3, 317-22 | 17.6 | 86 |
| 122 | On the remarkable role of surface topography of the bottom electrodes in blocking leakage currents in molecular diodes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 6554-7 | 16.4 | 77 |
| 121 | Nanoparticle-based drug delivery: case studies for cancer and cardiovascular applications. <i>Cellular and Molecular Life Sciences</i> , 2012 , 69, 389-404 | 10.3 | 64 |
| 120 | Organic piezoelectric materials: milestones and potential. <i>NPG Asia Materials</i> , 2019 , 11, | 10.3 | 57 |
| 119 | Non-Covalent Functionalization of Graphene Using Self-Assembly of Alkane-Amines. <i>Advanced Functional Materials</i> , 2012 , 22, 717-725 | 15.6 | 57 |
| 118 | Even the Odd Numbers Help: Failure Modes of SAM-Based Tunnel Junctions Probed via Odd-Even Effects Revealed in Synchrotrons and Supercomputers. <i>Accounts of Chemical Research</i> , 2016 , 49, 2061-2069 | 24.3 | 56 |
| 117 | Electric-field-driven dual-functional molecular switches in tunnel junctions. <i>Nature Materials</i> , 2020 , 19, 843-848 | 27 | 54 |
| 116 | One Carbon Matters: The Origin and Reversal of Odd-Even Effects in Molecular Diodes with Self-Assembled Monolayers of Ferrocenyl-Alkanethiolates. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 17910-17919 | 3.8 | 50 |
| 115 | Alchemical free energy simulations for biological complexes: powerful but temperamental. <i>Journal of Molecular Recognition</i> , 2010 , 23, 117-27 | 2.6 | 46 |
| 114 | Bioinspired Stable and Photoluminescent Assemblies for Power Generation. <i>Advanced Materials</i> , 2019 , 31, e1807481 | 24 | 41 |
| 113 | Nonideal Electrochemical Behavior of Ferrocenyl-Alkanethiolate SAMs Maps the Microenvironment of the Redox Unit. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 21978-21991 | 3.8 | 41 |
| 112 | Monofunctionalized gold nanoparticles stabilized by a single dendrimer form dumbbell structures upon homocoupling. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14674-7 | 16.4 | 39 |
| 111 | One-Nanometer Thin Monolayers Remove the Deleterious Effect of Substrate Defects in Molecular Tunnel Junctions. <i>Nano Letters</i> , 2015 , 15, 6643-9 | 11.5 | 38 |

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|-----|--|------|----|
| 110 | Charge disproportionate molecular redox for discrete memristive and memcapacitive switching. <i>Nature Nanotechnology</i> , 2020 , 15, 380-389 | 28.7 | 37 |
| 109 | Gold nanoparticles stabilized by thioether dendrimers. <i>Chemistry - A European Journal</i> , 2011 , 17, 13473-848 | | 37 |
| 108 | Noncovalent Self-Assembled Monolayers on Graphene as a Highly Stable Platform for Molecular Tunnel Junctions. <i>Advanced Materials</i> , 2016 , 28, 631-9 | 24 | 35 |
| 107 | Nanoscale Engineering of Designer Cellulosomes. <i>Advanced Materials</i> , 2016 , 28, 5619-47 | 24 | 35 |
| 106 | Free-energy simulations and experiments reveal long-range electrostatic interactions and substrate-assisted specificity in an aminoacyl-tRNA synthetase. <i>ChemBioChem</i> , 2006 , 7, 337-44 | 3.8 | 34 |
| 105 | Molecular dynamics study of naturally occurring defects in self-assembled monolayer formation. <i>ACS Nano</i> , 2010 , 4, 921-32 | 16.7 | 33 |
| 104 | Molecular dynamics simulations show that bound Mg ²⁺ contributes to amino acid and aminoacyl adenylate binding specificity in aspartyl-tRNA synthetase through long range electrostatic interactions. <i>Journal of Biological Chemistry</i> , 2006 , 281, 23792-803 | 5.4 | 33 |
| 103 | Controlling Protein Surface Orientation by Strategic Placement of Oligo-Histidine Tags. <i>ACS Nano</i> , 2017 , 11, 9068-9083 | 16.7 | 31 |
| 102 | Self-Assembled Cationic β -Cyclodextrin Nanostructures for siRNA Delivery. <i>Molecular Pharmaceutics</i> , 2019 , 16, 1358-1366 | 5.6 | 28 |
| 101 | On the hydration of subnanometric antifouling organosilane adlayers: a molecular dynamics simulation. <i>Journal of Colloid and Interface Science</i> , 2015 , 437, 197-204 | 9.3 | 28 |
| 100 | Complete aggregation pathway of amyloid β (1-40) and (1-42) resolved on an atomically clean interface. <i>Science Advances</i> , 2020 , 6, eaaz6014 | 14.3 | 28 |
| 99 | Racemic Amino Acid Piezoelectric Transducer. <i>Physical Review Letters</i> , 2019 , 122, 047701 | 7.4 | 27 |
| 98 | Nanoelectrical analysis of single molecules and atomic-scale materials at the solid/liquid interface. <i>Nature Materials</i> , 2014 , 13, 947-53 | 27 | 27 |
| 97 | Modeling competitive guest binding to beta-cyclodextrin molecular printboards. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 16640-5 | 3.4 | 26 |
| 96 | Familial Mutations May Switch Conformational Preferences in β -Synuclein Fibrils. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 837-849 | 5.7 | 25 |
| 95 | Scanning the potential energy surface for synthesis of dendrimer-wrapped gold clusters: design rules for true single-molecule nanostructures. <i>ACS Nano</i> , 2012 , 6, 3007-17 | 16.7 | 25 |
| 94 | Physisorption Controls the Conformation and Density of States of an Adsorbed Porphyrin. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27982-27994 | 3.8 | 24 |
| 93 | Stable Molecular Diodes Based on π -Interactions of the Molecular Frontier Orbitals with Graphene Electrodes. <i>Advanced Materials</i> , 2018 , 30, 1706322 | 24 | 23 |

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|----|--|------|----|
| 92 | Nanoscale dynamics and protein adhesivity of alkylamine self-assembled monolayers on graphene. <i>Langmuir</i> , 2013 , 29, 7271-82 | 4 | 23 |
| 91 | Probing Crystal Nucleation of Fenoxycarb from Solution through the Effect of Solvent. <i>Crystal Growth and Design</i> , 2019 , 19, 2037-2049 | 3.5 | 22 |
| 90 | Quantification of ink diffusion in microcontact printing with self-assembled monolayers. <i>Langmuir</i> , 2009 , 25, 242-7 | 4 | 22 |
| 89 | Interaction of acridine-calix[4]arene with DNA at the electrified liquid liquid interface. <i>Electrochimica Acta</i> , 2010 , 55, 3348-3354 | 6.7 | 22 |
| 88 | Ammonium scanning in an enzyme active site. The chiral specificity of aspartyl-tRNA synthetase. <i>Journal of Biological Chemistry</i> , 2007 , 282, 30856-68 | 5.4 | 22 |
| 87 | Modelling the active sites in vanadyl pyrophosphate. <i>Journal of Molecular Catalysis A</i> , 2003 , 198, 125-137 | | 22 |
| 86 | Accelerated charge transfer in water-layered peptide assemblies. <i>Energy and Environmental Science</i> , 2020 , 13, 96-101 | 35.4 | 21 |
| 85 | Deconstructing collagen piezoelectricity using alanine-hydroxyproline-glycine building blocks. <i>Nanoscale</i> , 2018 , 10, 9653-9663 | 7.7 | 20 |
| 84 | Molecular Simulations Reveal Terminal Group Mediated Stabilization of Helical Conformers in Both Amyloid- β 2 and β synuclein. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 2830-2842 | 5.7 | 19 |
| 83 | Large directional conductivity change in chemically stable layered thin films of vanadium oxide and a 1D metal complex. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5675 | 7.1 | 19 |
| 82 | Restoring the Electrical Properties of CVD Graphene via Physisorption of Molecular Adsorbates. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25014-25022 | 9.5 | 19 |
| 81 | Decision trees within a molecular memristor. <i>Nature</i> , 2021 , 597, 51-56 | 50.4 | 19 |
| 80 | Diphenylalanine-Derivative Peptide Assemblies with Increased Aromaticity Exhibit Metal-like Rigidity and High Piezoelectricity. <i>ACS Nano</i> , 2020 , 14, 7025-7037 | 16.7 | 18 |
| 79 | Tunable Mechanical and Optoelectronic Properties of Organic Cocrystals by Unexpected Stacking Transformation from H- to J- and X-Aggregation. <i>ACS Nano</i> , 2020 , 14, 10704-10715 | 16.7 | 18 |
| 78 | Reassigning the most stable surface of hydroxyapatite to the water resistant hydroxyl terminated (010) surface. <i>Surface Science</i> , 2014 , 623, 55-63 | 1.8 | 17 |
| 77 | Interdigitating organic bilayers direct the short interlayer spacing in hybrid organic-inorganic layered vanadium oxide nanostructures. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 14518-25 | 3.4 | 17 |
| 76 | Computer simulations reveal a novel nucleotide-type binding orientation for ellipticine-based anticancer c-kit kinase inhibitors. <i>Biochemistry</i> , 2008 , 47, 10333-44 | 3.2 | 17 |
| 75 | Longitudinal Piezoelectricity in Orthorhombic Amino Acid Crystal Films. <i>Crystal Growth and Design</i> , 2018 , 18, 4844-4848 | 3.5 | 16 |

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|----|---|------|----|
| 74 | Electronic structure calculations and physicochemical experiments quantify the competitive liquid ion association and probe stabilisation effects for nitrobenzospiropyran in phosphonium-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 6156-68 | 3.6 | 16 |
| 73 | Linker-mediated assembly of gold nanoparticles into multimeric motifs. <i>Nanotechnology</i> , 2011 , 22, 44560-1 | 3.4 | 16 |
| 72 | Guanidinium chloride molecular diffusion in aqueous and mixed water-ethanol solutions. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 8906-11 | 3.4 | 16 |
| 71 | Free energy balance predicates dendrimer binding multivalency at molecular printboards. <i>Langmuir</i> , 2007 , 23, 8441-51 | 4 | 16 |
| 70 | Re-designing the β -synuclein tetramer. <i>Chemical Communications</i> , 2018 , 54, 8080-8083 | 5.8 | 16 |
| 69 | Accommodating Curvature in a Highly Ordered Functionalized Metal Oxide Nanofiber: Synthesis, Characterization, and Multiscale Modeling of Layered Nanosheets. <i>Chemistry of Materials</i> , 2012 , 24, 3981-3992 | 2.6 | 15 |
| 68 | On the ubiquity of helical β -synuclein tetramers. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 12036-12043 | 3.3 | 14 |
| 67 | Capturing the embryonic stages of self-assembly - design rules for molecular computation. <i>Scientific Reports</i> , 2015 , 5, 10116 | 4.9 | 14 |
| 66 | Molecular dynamics of the "hydrophobic patch" that immobilizes hydrophobin protein HFBI on silicon. <i>Journal of Molecular Modeling</i> , 2011 , 17, 2227-35 | 2 | 14 |
| 65 | Supramolecular Structure of the Monolayer Triggers Odd-Even Effects in the Tunneling Rates across Noncovalent Junctions on Graphene. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 4172-4180 | 3.8 | 13 |
| 64 | The length but not the sequence of peptide linker modules exerts the primary influence on the conformations of protein domains in cellulosome multi-enzyme complexes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 21414-21425 | 3.6 | 13 |
| 63 | Peptide Recognition Capabilities of Cellulose in Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 24404-24416 | 3.8 | 13 |
| 62 | Probing electrostatic interactions and ligand binding in aspartyl-tRNA synthetase through site-directed mutagenesis and computer simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008 , 71, 1450-60 | 4.2 | 12 |
| 61 | Colossal current and voltage tunability in an organic memristor via electrode engineering. <i>Applied Materials Today</i> , 2020 , 19, 100626 | 6.6 | 11 |
| 60 | The fold preference and thermodynamic stability of β -synuclein fibrils is encoded in the non-amyloid- β component region. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 4502-4512 | 3.6 | 11 |
| 59 | Coarse-grained molecular dynamics simulations of nanopatterning with multivalent inks. <i>Journal of Chemical Physics</i> , 2008 , 128, 234906 | 3.9 | 11 |
| 58 | Molecular engineering of piezoelectricity in collagen-mimicking peptide assemblies. <i>Nature Communications</i> , 2021 , 12, 2634 | 17.4 | 11 |
| 57 | Formation Mechanism of Metal-Molecule-Metal Junctions: Molecule-Assisted Migration on Metal Defects. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 19438-19451 | 3.8 | 10 |

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|----|--|------|---|
| 56 | Direct measurement of the local field within alkyl-ferrocenyl-alkanethiolate monolayers: Importance of the supramolecular and electronic structure on the voltammetric response and potential profile. <i>Electrochimica Acta</i> , 2019 , 311, 92-102 | 6.7 | 9 |
| 55 | Revisiting the earliest signatures of amyloidogenesis: Roadmaps emerging from computational modeling and experiment. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2018 , 8, e13379 | 7.9 | 9 |
| 54 | Ordering of Air-Oxidized Decanethiols on Au(111). <i>Journal of Physical Chemistry C</i> , 2018 , 122, 8430-8436 | 3.8 | 9 |
| 53 | A DFT periodic study of the vanadyl pyrophosphate (100) surface. <i>Surface Science</i> , 2003 , 547, 438-451 | 1.8 | 9 |
| 52 | Modulation of physical properties of organic cocrystals by amino acid chirality. <i>Materials Today</i> , 2021 , 42, 29-40 | 21.8 | 9 |
| 51 | . <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2018 , 25, 803-807 | 2.3 | 8 |
| 50 | The interplay of electrostatic and covalent effects in 1-butene oxidation over vanadyl pyrophosphate. <i>Journal of Molecular Catalysis A</i> , 2003 , 206, 435-439 | | 8 |
| 49 | Design principles of dual-functional molecular switches in solid-state tunnel junctions. <i>Applied Physics Letters</i> , 2020 , 117, 030502 | 3.4 | 8 |
| 48 | Atomistic-Benchmarking towards a protocol development for rapid quantitative metrology of piezoelectric biomolecular materials. <i>Applied Materials Today</i> , 2020 , 21, 100818 | 6.6 | 8 |
| 47 | Understanding solid-state processing of pharmaceutical cocrystals via milling: Role of tablet excipients. <i>International Journal of Pharmaceutics</i> , 2021 , 601, 120514 | 6.5 | 8 |
| 46 | Fingerprinting Electronic Molecular Complexes in Liquid. <i>Scientific Reports</i> , 2016 , 6, 19009 | 4.9 | 8 |
| 45 | The supramolecular structure and van der Waals interactions affect the electronic structure of ferrocenyl-alkanethiolate SAMs on gold and silver electrodes. <i>Nanoscale Advances</i> , 2019 , 1, 1991-2002 | 5.1 | 7 |
| 44 | Graphene wrinkle effects on molecular resonance states. <i>Npj 2D Materials and Applications</i> , 2018 , 2, | 8.8 | 7 |
| 43 | Mechanostability of cohesin-dockerin complexes in a structure-based model: anisotropy and lack of universality in the force profiles. <i>Journal of Chemical Physics</i> , 2014 , 141, 245103 | 3.9 | 7 |
| 42 | A multi-scale molecular dynamics study of the assembly of micron-size supraparticles from 30 nm alkyl-coated nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 8132-43 | 3.6 | 7 |
| 41 | On the distinct binding modes of expansin and carbohydrate-binding module proteins on crystalline and nanofibrous cellulose: implications for cellulose degradation by designer cellulosomes. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 8278-8293 | 3.6 | 6 |
| 40 | Hydrocarbon Selective Oxidation on Vanadium Phosphorus Oxide Catalysts: Insights from Electronic Structure Calculations. <i>Topics in Catalysis</i> , 2008 , 50, 116-123 | 2.3 | 6 |
| 39 | Electronic structure of the extended vanadyl pyrophosphate (1 0 0) surface. <i>Catalysis Today</i> , 2004 , 91-92, 177-180 | 5.3 | 6 |

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|----|---|------|---|
| 38 | Nanoconfined water governs polarization-related properties of self-assembled peptide nanotubes. <i>Nano Select</i> , 2021 , 2, 817-829 | 3.1 | 6 |
| 37 | Long-range Regulation of Partially Folded Amyloidogenic Peptides. <i>Scientific Reports</i> , 2020 , 10, 7597 | 4.9 | 5 |
| 36 | Monolayer Packing, Dehydration, and Ink-Binding Dynamics at the Molecular Printboard. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 7298-7304 | 3.8 | 5 |
| 35 | The effective concentration of unbound ink anchors at the molecular printboard. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 4994-9 | 3.4 | 5 |
| 34 | In silico engineering of tailored ink-binding ability at molecular printboards. <i>ChemPhysChem</i> , 2007 , 8, 1684-93 | 3.2 | 5 |
| 33 | A single atom change turns insulating saturated wires into molecular conductors. <i>Nature Communications</i> , 2021 , 12, 3432 | 17.4 | 5 |
| 32 | Steered molecular dynamics simulations reveal the role of Ca in regulating mechanostability of cellulose-binding proteins. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 22674-22680 | 3.6 | 4 |
| 31 | Non-local effects of point mutations on the stability of a protein module. <i>Journal of Chemical Physics</i> , 2017 , 147, 105101 | 3.9 | 4 |
| 30 | The laterally acquired GH5 EngA from the marine bacterium is dedicated to hemicellulose hydrolysis. <i>Biochemical Journal</i> , 2018 , 475, 3609-3628 | 3.8 | 4 |
| 29 | Motion of Fullerenes around Topological Defects on Metals: Implications for the Progress of Molecular Scale Devices. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7897-7902 | 9.5 | 3 |
| 28 | Phase-change memories (PCM) - Experiments and modelling: general discussion. <i>Faraday Discussions</i> , 2019 , 213, 393-420 | 3.6 | 3 |
| 27 | A robust molecular probe for fngstrom-scale analytics in liquids. <i>Nature Communications</i> , 2016 , 7, 12403 | 17.4 | 3 |
| 26 | Subcellular Imaging of Liquid Silicone Coated-Intestinal Epithelial Cells. <i>Scientific Reports</i> , 2018 , 8, 10763 | 4.9 | 3 |
| 25 | Monitoring transient changes in the structure of water at a polarised liquid-liquid interface using electrocapillary curves. <i>Electrochemistry Communications</i> , 2019 , 109, 106564 | 5.1 | 3 |
| 24 | Quantitative Polarization-Resolved Second-Harmonic-Generation Microscopy of Glycine Microneedles. <i>Advanced Materials</i> , 2020 , 32, e2002873 | 24 | 3 |
| 23 | Molecular Electronics: Noncovalent Self-Assembled Monolayers on Graphene as a Highly Stable Platform for Molecular Tunnel Junctions (Adv. Mater. 4/2016). <i>Advanced Materials</i> , 2016 , 28, 784-784 | 24 | 3 |
| 22 | Self-Assembled Pyrene Stacks and Peptide Monolayers Tune the Electronic Properties of Functionalized Electrolyte-Gated Graphene Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 9134-9142 | 9.5 | 3 |
| 21 | A Piezoelectric Ionic Cocrystal of Glycine and Sulfamic Acid. <i>Crystal Growth and Design</i> , 2021 , 21, 5818-5827 | 27 | 3 |

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|----|---|------|---|
| 20 | Molecular Modelling Guided Modulation of Molecular Shape and Charge for Design of Smart Self-Assembled Polymeric Drug Transporters. <i>Pharmaceutics</i> , 2021 , 13, | 6.4 | 2 |
| 19 | Molecular simulations reveal that a short helical loop regulates thermal stability of type I cohesin-dockerin complexes. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 28445-28451 | 3.6 | 2 |
| 18 | Restriction boosts piezoelectricity. <i>Nature Materials</i> , 2021 , 20, 574-575 | 27 | 2 |
| 17 | Frontiers of Cu Electrodeposition and Electroless Plating for On-chip Interconnects. <i>Nanostructure Science and Technology</i> , 2014 , 99-113 | 0.9 | 2 |
| 16 | Large cooperative effects in tunneling rates across van der Waals coupled binary self-assembled monolayers. <i>Nano Today</i> , 2022 , 44, 101497 | 17.9 | 2 |
| 15 | Anchoring and packing of self-assembled monolayers of semithio-bambusurils on Au(111). <i>Molecular Systems Design and Engineering</i> , 2020 , 5, 511-520 | 4.6 | 1 |
| 14 | Piezoelectricity in the proteinogenic amino acid L-leucine: A novel piezoactive bioelectret. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020 , 27, 1465-1468 | 2.3 | 1 |
| 13 | Extended Lifetime of Molecules Adsorbed onto Excipients Drives Nucleation in Heterogeneous Crystallization.. <i>Crystal Growth and Design</i> , 2021 , 21, 2101-2112 | 3.5 | 1 |
| 12 | Piezoelectricity of the Transmembrane Protein ba3 Cytochrome c Oxidase. <i>Advanced Functional Materials</i> , 2021 , 31, 2100884 | 15.6 | 1 |
| 11 | A practical approach for standardization of converse piezoelectric constants obtained from piezoresponse force microscopy. <i>Journal of Applied Physics</i> , 2021 , 129, 185104 | 2.5 | 1 |
| 10 | Modulating the pro-apoptotic activity of cytochrome c at a biomimetic electrified interface. <i>Science Advances</i> , 2021 , 7, eabg4119 | 14.3 | 0 |
| 9 | Energy-Level Alignment and Orbital-Selective Femtosecond Charge Transfer Dynamics of Redox-Active Molecules on Au, Ag, and Pt Metal Surfaces. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 18474-18482 | 3.8 | 0 |
| 8 | Balanced lipase interactions for degradation-controlled paclitaxel release from lipid cubic phase formulations. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 978-991 | 9.3 | 0 |
| 7 | Predictive Modeling of Neurotoxic β Synuclein Polymorphs.. <i>Methods in Molecular Biology</i> , 2022 , 2340, 379-399 | 1.4 | 0 |
| 6 | Characterization of Amyloidogenic Peptide Aggregability in Helical Subspace.. <i>Methods in Molecular Biology</i> , 2022 , 2340, 401-448 | 1.4 | 0 |
| 5 | Modulating vectored non-covalent interactions for layered assembly with engineerable properties. <i>Bio-Design and Manufacturing</i> , 1 | 4.7 | 0 |
| 4 | Stable Universal 1- and 2-Input Single-Molecule Logic Gates.. <i>Advanced Materials</i> , 2022 , e2202135 | 24 | 0 |
| 3 | Molecular Diodes: Stable Molecular Diodes Based on π Interactions of the Molecular Frontier Orbitals with Graphene Electrodes (Adv. Mater. 10/2018). <i>Advanced Materials</i> , 2018 , 30, 1870069 | 24 | |

2 Harnessing Nanoscale Physics for Next-Generation Electronic Medical Devices **2016**, 491-509

1 Predictive Modeling of Ceramic Materials **2021**, 475-480