

# Joe E Baio

## List of Publications by Year in descending order

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32  
papers

464  
citations

758635

12  
h-index

713013

21  
g-index

32  
all docs

32  
docs citations

32  
times ranked

724  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diatom Mimics: Directing the Formation of Biosilica Nanoparticles by Controlled Folding of Lysine-Leucine Peptides. <i>Journal of the American Chemical Society</i> , 2014, 136, 15134-15137.	6.6	54
2	Probing the Orientation of Electrostatically Immobilized Protein G B1 by Time-of-Flight Secondary Ion Spectrometry, Sum Frequency Generation, and Near-Edge X-ray Adsorption Fine Structure Spectroscopy. <i>Langmuir</i> , 2012, 28, 2107-2112.	1.6	52
3	Immobilization of Proteins with Controlled Load and Orientation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 36391-36398.	4.0	36
4	Identifying the selectivity of antimicrobial peptides to cell membranes by sum frequency generation spectroscopy. <i>Biointerphases</i> , 2017, 12, 02D406.	0.6	31
5	&lt;p&gt;Size-Dependent Interactions of Lipid-Coated Gold Nanoparticles: Developing a Better Mechanistic Understanding Through Model Cell Membranes and in vivo Toxicity&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4091-4104.	3.3	31
6	Probing the orientation of electrostatically immobilized cytochrome C by time of flight secondary ion mass spectrometry and sum frequency generation spectroscopy. <i>Biointerphases</i> , 2013, 8, 18.	0.6	26
7	Evidence of a molecular boundary lubricant at snakeskin surfaces. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150817.	1.5	24
8	Multiscale Effects of Interfacial Polymer Confinement in Silica Nanocomposites. <i>Macromolecules</i> , 2015, 48, 7929-7937.	2.2	20
9	Self-Assembled Monolayers of Single-Molecule Magnets [Tb{Pc}2(SR)8]2 on Gold. <i>ChemPlusChem</i> , 2012, 77, 889-897.	1.3	19
10	Multiplexed Orientation and Structure Analysis by Imaging Near-Edge X-ray Absorption Fine Structure (MOSAIX) for Combinatorial Surface Science. <i>Analytical Chemistry</i> , 2013, 85, 4307-4310.	3.2	14
11	Reversible activation of pH-sensitive cell penetrating peptides attached to gold surfaces. <i>Chemical Communications</i> , 2015, 51, 273-275.	2.2	14
12	High-Throughput Analysis of Molecular Orientation on Surfaces by NEXAFS Imaging of Curved Sample Arrays. <i>ACS Combinatorial Science</i> , 2014, 16, 449-453.	3.8	12
13	Otoferlin C2F Domain-Induced Changes in Membrane Structure Observed by Sum Frequency Generation. <i>Biophysical Journal</i> , 2019, 117, 1820-1830.	0.2	12
14	Surface chemistry of the frog sticky-tongue mechanism. <i>Biointerphases</i> , 2018, 13, 06E408.	0.6	11
15	NEXAFS imaging to characterize the physio-chemical composition of cuticle from African Flower Scarab <i>Eudicella gralli</i> . <i>Nature Communications</i> , 2019, 10, 4758.	5.8	11
16	Enhanced Performance of Self-Assembled Monolayer Field-Effect Transistors with Top-Contact Geometry through Molecular Tailoring, Heated Assembly, and Thermal Annealing. <i>Advanced Functional Materials</i> , 2015, 25, 5376-5383.	7.8	10
17	Role of Surface Chemistry in the Superhydrophobicity of the Springtail <i>Orchesella cincta</i> (Insecta:Collembola). <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12294-12304.	4.0	10
18	Direct Evidence That Mutations within Dysferlin's C2A Domain Inhibit Lipid Clustering. <i>Journal of Physical Chemistry B</i> , 2021, 125, 148-157.	1.2	10

#	ARTICLE	IF	CITATIONS
19	Differential surface activation of the A1 domain of von Willebrand factor. <i>Biointerphases</i> , 2016, 11, 029803.	0.6	9
20	Structure of von Willebrand factor A1 on polystyrene determined from experimental and calculated sum frequency generation spectra. <i>Biointerphases</i> , 2018, 13, 06E411.	0.6	9
21	Surface analysis tools for characterizing biological materials. <i>Chemical Society Reviews</i> , 2020, 49, 3278-3296.	18.7	9
22	Full membrane spanning self-assembled monolayers as model systems for UHV-based studies of cell-penetrating peptides. <i>Biointerphases</i> , 2015, 10, 019009.	0.6	6
23	Structure of Keratins in Adhesive Gecko Setae Determined by Near-Edge X-ray Absorption Fine Structure Spectromicroscopy. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2193-2196.	2.1	6
24	The Interaction of 1,1'-Diphosphaferrocenes with Gold: Molecular Coordination Chemistry and Adsorption on Solid Substrates. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 351-359.	1.0	5
25	Multi-Technique Investigation of a Biomimetic Insect Tarsal Adhesive Fluid. <i>Frontiers in Mechanical Engineering</i> , 2021, 7, .	0.8	4
26	Model Asphaltene Adsorbed onto Methyl- and COOH-Terminated SAMs on Gold. <i>Langmuir</i> , 2021, 37, 9785-9792.	1.6	4
27	Choose your own adventure: Picosecond or broadband vibrational sum-frequency generation spectroscopy. <i>Biointerphases</i> , 2022, 17, 031201.	0.6	4
28	Evidence that gecko setae are coated with an ordered nanometre-thin lipid film. <i>Biology Letters</i> , 2022, 18, .	1.0	4
29	Magnetic Field Landscapes Guiding the Chemisorption of Diamagnetic Molecules. <i>Langmuir</i> , 2016, 32, 10491-10496.	1.6	3
30	Surface chemistry of the ladybird beetle adhesive foot fluid across various substrates. <i>Biointerphases</i> , 2021, 16, 031004.	0.6	3
31	Characterizing the Structure of Surface-Immobilized Proteins: A Surface Analysis Approach. <i>ACS Symposium Series</i> , 2012, , 761-779.	0.5	1
32	Microfluidic photoreactor to treat neonatal jaundice. <i>Biomicrofluidics</i> , 2021, 15, 064104.	1.2	0