

David Margulies

List of Publications by Year in descending order

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37
papers

2,251
citations

304743

22
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330143

37
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43
all docs

43
docs citations

43
times ranked

1983
citing authors

#	ARTICLE	IF	CITATIONS
1	A Molecular Keypad Lock: A Photochemical Device Capable of Authorizing Password Entries. <i>Journal of the American Chemical Society</i> , 2007, 129, 347-354.	13.7	360
2	A Molecular Full-Adder and Full-Subtractor, an Additional Step toward a Molecular. <i>Journal of the American Chemical Society</i> , 2006, 128, 4865-4871.	13.7	291
3	Fluorescein as a model molecular calculator with reset capability. <i>Nature Materials</i> , 2005, 4, 768-771.	27.5	247
4	Chemical Input Multiplicity Facilitates Arithmetical Processing. <i>Journal of the American Chemical Society</i> , 2004, 126, 15400-15401.	13.7	158
5	Analyzing Amyloid Beta Aggregates with a Combinatorial Fluorescent Molecular Sensor. <i>Journal of the American Chemical Society</i> , 2017, 139, 2136-2139.	13.7	115
6	Protein recognition by a pattern-generating fluorescent molecular probe. <i>Nature Nanotechnology</i> , 2017, 12, 1161-1168.	31.5	106
7	Message in a molecule. <i>Nature Communications</i> , 2016, 7, 11374.	12.8	104
8	Authorizing Multiple Chemical Passwords by a Combinatorial Molecular Keypad Lock. <i>Journal of the American Chemical Society</i> , 2013, 135, 15330-15333.	13.7	96
9	Digital Analysis of Protein Properties by an Ensemble of DNA Quadruplexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 9142-9143.	13.7	92
10	Protein Recognition by an Ensemble of Fluorescent DNA Gâ€œQuadruplexes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1771-1774.	13.8	79
11	Medication Detection by a Combinatorial Fluorescent Molecular Sensor. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12477-12481.	13.8	72
12	Targeted Protein Surface Sensors as a Tool for Analyzing Small Populations of Proteins in Biological Mixtures. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9289-9293.	13.8	69
13	Proteinâ€œProtein Communication and Enzyme Activation Mediated by a Synthetic Chemical Transducer. <i>Journal of the American Chemical Society</i> , 2015, 137, 9507-9510.	13.7	42
14	Protein recognition by bivalent, â€œturn-onâ€œ™ fluorescent molecular probes. <i>Chemical Science</i> , 2015, 6, 5419-5425.	7.4	42
15	Combinatorial protein recognition as an alternative approach to antibody-mimetics. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 705-712.	6.1	40
16	User Authorization at the Molecular Scale. <i>ChemPhysChem</i> , 2017, 18, 1678-1687.	2.1	33
17	Decorating bacteria with self-assembled synthetic receptors. <i>Nature Communications</i> , 2020, 11, 1299.	12.8	31
18	Enzymeâ€œArtificial Enzyme Interactions as a Means for Discriminating among Structurally Similar Isozymes. <i>Journal of the American Chemical Society</i> , 2015, 137, 4892-4895.	13.7	28

#	ARTICLE	IF	CITATIONS
19	Broad Applications of Thiazole Orange in Fluorescent Sensing of Biomolecules and Ions. <i>Molecules</i> , 2021, 26, 2828.	3.8	27
20	Combinatorial Fluorescent Molecular Sensors: The Road to Differential Sensing at the Molecular Level. <i>Synlett</i> , 2014, 25, 1050-1054.	1.8	26
21	A Molecular Secret Sharing Scheme. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 184-188.	13.8	26
22	The Neuronal Migration Factor srGAP2 Achieves Specificity in Ligand Binding through a Two-Component Molecular Mechanism. <i>Structure</i> , 2015, 23, 1989-2000.	3.3	20
23	Sensing Protein Surfaces with Targeted Fluorescent Receptors. <i>Chemistry - A European Journal</i> , 2015, 21, 15981-15987.	3.3	20
24	Surface Binding Inhibitors of the SCF-Kit Protein-Protein Interaction. <i>ChemBioChem</i> , 2009, 10, 1955-1958.	2.6	18
25	Glycoform Differentiation by a Targeted, Self-Assembled, Pattern-Generating Protein Surface Sensor. <i>Journal of the American Chemical Society</i> , 2020, 142, 15790-15798.	13.7	16
26	Assessing changes in the expression levels of cell surface proteins with a turn-on fluorescent molecular probe. <i>Chemical Communications</i> , 2021, 57, 1875-1878.	4.1	8
27	Sensing Protein Surfaces with Targeted Fluorescent Receptors. <i>Chemistry - A European Journal</i> , 2015, 21, 15873-15873.	3.3	5
28	Artificial signal transduction therapy: a futuristic approach to disease treatment. <i>Future Medicinal Chemistry</i> , 2015, 7, 2091-2093.	2.3	5
29	Molecular Logic as a Means to Assess Therapeutic Antidotes. <i>Frontiers in Chemistry</i> , 2019, 7, 243.	3.6	5
30	A Molecular Secret Sharing Scheme. <i>Angewandte Chemie</i> , 2019, 131, 190-194.	2.0	5
31	An Optical Probe for Real-Time Monitoring of Self-Replicator Emergence and Distinguishing between Replicators. <i>Journal of the American Chemical Society</i> , 2022, 144, 3074-3082.	13.7	4
32	Encrypting messages with artificial bacterial receptors. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 2749-2756.	2.2	3
33	Steps toward enhancing the fluorescence of small-molecule-based protein labels using supramolecular hosts. <i>Results in Chemistry</i> , 2021, 3, 100134.	2.0	1
34	Fluorescent Labelling of Cell Surface Proteins on a Solid Support. <i>Israel Journal of Chemistry</i> , 2021, 61, 239-243.	2.3	1
35	Medication Detection by a Combinatorial Fluorescent Molecular Sensor (<i>Angew. Chem.</i>)	1.0	0
36	Mimicking the Function of Signaling Proteins: Toward Artificial Signal Transduction Therapy. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	0

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37	Innenrücktitelbild: A Molecular Secret Sharing Scheme (Angew. Chem. 1/2019). Angewandte Chemie, 2019, 131, 355-355.	2.0	0