

Anil K Mehta

List of Publications by Year in descending order

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32
papers

1,647
citations

361413

20
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

1876
citing authors

#	ARTICLE	IF	CITATIONS
1	Facial Symmetry in Protein Self-Assembly. <i>Journal of the American Chemical Society</i> , 2008, 130, 9829-9835.	13.7	233
2	Catalytic diversity in self-propagating peptide assemblies. <i>Nature Chemistry</i> , 2017, 9, 805-809.	13.6	172
3	Engineering metal ion coordination to regulate amyloid fibril assembly and toxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13313-13318.	7.1	131
4	Rational Design of Helical Nanotubes from Self-Assembly of Coiled-Coil Lock Washers. <i>Journal of the American Chemical Society</i> , 2013, 135, 15565-15578.	13.7	112
5	Kinetic Intermediates in Amyloid Assembly. <i>Journal of the American Chemical Society</i> , 2014, 136, 15146-15149.	13.7	85
6	Templating Molecular Arrays in Amyloid's Cross- β Grooves. <i>Journal of the American Chemical Society</i> , 2009, 131, 10165-10172.	13.7	81
7	Phase Networks of Cross- β Peptide Assemblies. <i>Langmuir</i> , 2012, 28, 6386-6395.	3.5	75
8	Design of Asymmetric Peptide Bilayer Membranes. <i>Journal of the American Chemical Society</i> , 2016, 138, 3579-3586.	13.7	72
9	Peptides Organized as Bilayer Membranes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4104-4107.	13.8	71
10	Macroscale assembly of peptide nanotubes. <i>Chemical Communications</i> , 2007, , 2729.	4.1	57
11	Design of multi-phase dynamic chemical networks. <i>Nature Chemistry</i> , 2017, 9, 799-804.	13.6	57
12	Peptide membranes in chemical evolution†. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 652-659.	6.1	52
13	Nucleobase-Directed Amyloid Nanotube Assembly. <i>Journal of the American Chemical Society</i> , 2008, 130, 16867-16869.	13.7	50
14	Characterization of a Mixture of CO ₂ Adsorption Products in Hyperbranched Aminosilica Adsorbents by ¹³ C Solid-State NMR. <i>Environmental Science & Technology</i> , 2015, 49, 13684-13691.	10.0	45
15	Controlling amyloid growth in multiple dimensions. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2006, 13, 206-215.	3.0	44
16	Digital and Analog Chemical Evolution. <i>Accounts of Chemical Research</i> , 2012, 45, 2189-2199.	15.6	43
17	Remodeling Cross- β Nanotube Surfaces with Peptide/Lipid Chimeras. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6635-6638.	13.8	40
18	Spectroscopic Characterization of Adsorbed ¹³ CO ₂ on 3-Aminopropylsilyl-Modified SBA15 Mesoporous Silica. <i>Environmental Science & Technology</i> , 2017, 51, 6553-6559.	10.0	39

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19	Electrostatic Complementarity Drives Amyloid/Nucleic Acid Co-Assembly. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 358-363.	13.8	29
20	Boltzmann Statistics Rotational-Echo Double-Resonance Analysis. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7802-7811.	2.6	26
21	Looked at Life from Both Sides Now. <i>Life</i> , 2014, 4, 887-902.	2.4	20
22	Speciation and Dynamics in the [Co ₄ V ₂ W ₁₈ O ₆₈] ¹⁰⁺ /Co(II) _{aq} /Co ₂ O ₃ Catalytic Water Oxidation System. <i>ACS Catalysis</i> , 2018, 8, 11952-11959.	10.2	19
23	NMR Crystallography: Evaluation of Hydrogen Positions in Hydromagnesite by ¹³ C{ ¹ H} REDOR Solid-State NMR and Density Functional Theory Calculation of Chemical Shielding Tensors. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4210-4216.	13.8	18
24	Defining the Dynamic Conformational Networks of Cross-Linked Peptide Assembly. <i>Israel Journal of Chemistry</i> , 2015, 55, 763-769.	2.3	16
25	Context dependence of protein misfolding and structural strains in neurodegenerative diseases. <i>Biopolymers</i> , 2013, 100, 722-730.	2.4	13
26	Structural analysis of CXCR4 Antagonist interactions using saturation-transfer double-difference NMR. <i>Biochemical and Biophysical Research Communications</i> , 2015, 466, 28-32.	2.1	12
27	Expanding the informational chemistries of life: peptide/RNA networks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160356.	3.4	11
28	Electrostatic Complementarity Drives Amyloid/Nucleic Acid Co-Assembly. <i>Angewandte Chemie</i> , 2020, 132, 366-371.	2.0	8
29	Liquid-Like Phases Preorder Peptides for Supramolecular Assembly. <i>ChemSystemsChem</i> , 2020, 2, e2000007.	2.6	5
30	NMR Crystallography: Evaluation of Hydrogen Positions in Hydromagnesite by ¹³ C{ ¹ H} REDOR Solid-State NMR and Density Functional Theory Calculation of Chemical Shielding Tensors. <i>Angewandte Chemie</i> , 2019, 131, 4254-4260.	2.0	2
31	Liquid-Like Phases Preorder Peptides for Supramolecular Assembly. <i>ChemSystemsChem</i> , 2020, 2, e2000046.	2.6	2
32	On the Emerging Codes for Chemical Evolution. , 0, , 97-113.		0