Ashok Keerthi

List of Publications by Year
in descending order

33	1,887	430442 18	377514 34
papers	citations	h-index	g-index

35	35	35	2945
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced nanofluidic transport in activated carbon nanoconduits. Nature Materials, 2022, 21, 696-702.	13.3	36
2	Angstrofluidics: Walking to the Limit. Annual Review of Materials Research, 2022, 52, 189-218.	4.3	16
3	Hydrocarbon contamination in angstrÃ¶m-scale channels. Nanoscale, 2021, 13, 9553-9560.	2.8	7
4	Translocation of DNA through Ultrathin Nanoslits. Advanced Materials, 2021, 33, e2007682.	11.1	22
5	Water friction in nanofluidic channels made from two-dimensional crystals. Nature Communications, 2021, 12, 3092.	5.8	59
6	Exploring Voltage Mediated Delamination of Suspended 2D Materials as a Cause of Commonly Observed Breakdown. Journal of Physical Chemistry C, 2020, 124, 430-435.	1.5	2
7	Onâ€surface Synthesis of a Chiral Graphene Nanoribbon with Mixed Edge Structure. Chemistry - an Asian Journal, 2020, 15, 3807-3811.	1.7	17
8	Gas flow through atomic-scale apertures. Science Advances, 2020, 6, .	4.7	22
9	On-Surface Dehydro-Dielsâ€“Alder Reaction of Dibromo-bis(phenylethynyl)benzene. Journal of the American Chemical Society, 2020, 142, 1721-1725.	6.6	15
10	Multiwavelength Raman spectroscopy of ultranarrow nanoribbons made by solution-mediated bottom-up approach. Physical Review B, 2019, 100, .	1.1	8
11	Capacitance of Basal Plane and Edge-Oriented Highly Ordered Pyrolytic Graphite: Specific Ion Effects. Journal of Physical Chemistry Letters, 2019, 10, 617-623.	2.1	50
12	On-Surface Synthesis of a Nonplanar Porous Nanographene. Journal of the American Chemical Society, 2019, 141, 7726-7730.	6.6	61
13	Molecular streaming and its voltage control in Ã¥ngstrÃ¶m-scale channels. Nature, 2019, 567, 87-90.	13.7	170
14	Complete steric exclusion of ions and proton transport through confined monolayer water. Science, 2019, 363, 145-148.	6.0	207
15	Magnetic edge states and coherent manipulation of graphene nanoribbons. Nature, 2018, 557, 691-695.	13.7	232
16	Molecular Ordering of Dithieno[2,3-d;2â€²,3â€²-d]benzo[2,1-b:3,4-bâ€²]dithiophenes for Field-Effect Transistors. ACS Omega, 2018, 3, 6513-6522.	1.6	3
17	Ballistic molecular transport through two-dimensional channels. Nature, 2018, 558, 420-424.	13.7	139
18	The Design of Radical Stacks: Nitronylâ€Nitroxideâ€Substituted Heteropentacenes. ChemistryOpen, 2017, 6, 642-652.	0.9	9

#	Article	IF	Citations
19	Edge Functionalization of Structurally Defined Graphene Nanoribbons for Modulating the Self-Assembled Structures. Journal of the American Chemical Society, 2017, 139, 16454-16457.	6.6	43
20	Synthesis of a quinoidal dithieno[2,3-d;2â€²,3â€²-d]benzo[2,1-b;3,4-bâ€²]-dithiophene based open-shell singlet biradicaloid. Organic Chemistry Frontiers, 2017, 4, 18-21.	2.3	8
21	Layered Electron Acceptors by Dimerization of Acenes Endâ€•Capped with 1,2,5â€Thiadiazoles. Angewandte Chemie, 2016, 128, 953-956.	1.6	15
22	Layered Electron Acceptors by Dimerization of Acenes Endâ€•Capped with 1,2,5â€Thiadiazoles. Angewandte Chemie - International Edition, 2016, 55, 941-944.	7.2	32
23	Synthesis of multi-donor dyes and influence of molecular design on dye-sensitized solar cells. RSC Advances, 2016, 6, 51807-51815.	1.7	3
24	Cyclization of Pyrene Oligomers: Cyclohexaâ€1,3â€pyrenylene. Angewandte Chemie - International Edition, 2016, 55, 418-421.	7.2	30
25	Molecular transport through capillaries made with atomic-scale precision. Nature, 2016, 538, 222-225.	13.7	483
26	Hexaâ€periâ€hexabenzocoronene with Different Acceptor Units for Tuning Optoelectronic Properties. Chemistry - an Asian Journal, 2016, 11, 2710-2714.	1.7	19
27	Dithieno[2,3-d;2â€²,3â€²-d]benzo[2,1-b;3,4-bâ€˜]dithiophene: a novel building-block for a planar copolymer. Polymer Chemistry, 2016, 7, 1545-1548.	1.9	13
28	Pyrene Dynamics: Covalently Linked Dimers Accelerate the Kinetics from ns to ps and Produce Excimers. , 2016, , .		0
29	Synthesis and photophysical properties of pyrene-based green fluorescent dyes: butterfly-shaped architectures. Organic and Biomolecular Chemistry, 2014, 12, 7914-7918.	1.5	11
30	Architectural influence of carbazole pushâ€“pullâ€“pull dyes on dye sensitized solar cells. Dyes and Pigments, 2013, 99, 787-797.	2.0	20
31	Regioisomers of Perylenediimide: Synthesis, Photophysical, and Electrochemical Properties. Journal of Physical Chemistry B, 2012, 116, 4603-4614.	1.2	42
32	Synthesis of Perylene Dyes with Multiple Triphenylamine Substituents. Chemistry - A European Journal, 2012, 18, 11669-11676.	1.7	41
33	Low Band Gap Thiopheneâ€Perylene Diimide Systems with Tunable Charge Transport Properties. Organic Letters, 2011, 13, 18-21.	2.4	44