

Rahul Roy

List of Publications by Year in descending order

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42
papers

4,117
citations

430874

18
h-index

302126

39
g-index

46
all docs

46
docs citations

46
times ranked

5424
citing authors

#	ARTICLE	IF	CITATIONS
1	A practical guide to single-molecule FRET. <i>Nature Methods</i> , 2008, 5, 507-516.	19.0	1,857
2	Single-molecule imaging of transcription factor binding to DNA in live mammalian cells. <i>Nature Methods</i> , 2013, 10, 421-426.	19.0	459
3	Imaging chromophores with undetectable fluorescence by stimulated emission microscopy. <i>Nature</i> , 2009, 461, 1105-1109.	27.8	255
4	SSB protein diffusion on single-stranded DNA stimulates RecA filament formation. <i>Nature</i> , 2009, 461, 1092-1097.	27.8	251
5	Review: Nectar biology: From molecules to ecosystems. <i>Plant Science</i> , 2017, 262, 148-164.	3.6	183
6	SSB Functions as a Sliding Platform that Migrates on DNA via Reptation. <i>Cell</i> , 2011, 146, 222-232.	28.9	180
7	Dynamic Structural Rearrangements Between DNA Binding Modes of E. coli SSB Protein. <i>Journal of Molecular Biology</i> , 2007, 369, 1244-1257.	4.2	137
8	Spatial organization of RNA polymerase II inside a mammalian cell nucleus revealed by reflected light-sheet superresolution microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 681-686.	7.1	124
9	Spectroscopic observation of RNA chaperone activities of Hfq in post-transcriptional regulation by a small non-coding RNA. <i>Nucleic Acids Research</i> , 2007, 35, 999-1006.	14.5	86
10	Real-time observation of the transition from transcription initiation to elongation of the RNA polymerase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22175-22180.	7.1	67
11	Effect of Graphene Oxide Nanosheets dispersion in cement mortar composites incorporating Metakaolin and Silica Fume. <i>Construction and Building Materials</i> , 2018, 186, 514-524.	7.2	52
12	Cholesterol promotes Cytolysin A activity by stabilizing the intermediates during pore formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7323-E7330.	7.1	48
13	Transcription Initiation in a Single-Subunit RNA Polymerase Proceeds through DNA Scrunching and Rotation of the N-Terminal Subdomains. <i>Molecular Cell</i> , 2008, 30, 567-577.	9.7	46
14	Protein-induced fluorescence enhancement as aptamer sensing mechanism for thrombin detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 294-301.	7.8	45
15	A six-factor asset pricing model. <i>Borsa Istanbul Review</i> , 2018, 18, 205-217.	5.5	42
16	Study and experimental investigation of flow and flexural properties of natural fiber reinforced self compacting concrete. <i>Procedia Computer Science</i> , 2018, 125, 598-608.	2.0	34
17	Tribological studies of 3D printed ABS and PLA plastic parts. <i>Materials Today: Proceedings</i> , 2021, 41, 856-862.	1.8	33
18	Correlating Transcription Initiation and Conformational Changes by a Single-Subunit RNA Polymerase with Near Base-Pair Resolution. <i>Molecular Cell</i> , 2018, 70, 695-706.e5.	9.7	25

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19	An integrated transcriptomics and metabolomics analysis of the <i>Cucurbita pepo</i> nectary implicates key modules of primary metabolism involved in nectar synthesis and secretion. <i>Plant Direct</i> , 2019, 3, e00120.	1.9	25
20	Nectar antimicrobial compounds and their potential effects on pollinators. <i>Current Opinion in Insect Science</i> , 2021, 44, 55-63.	4.4	17
21	The nexus of anomalies-stock returns-asset pricing models: The international evidence. <i>Borsa Istanbul Review</i> , 2019, 19, 1-14.	5.5	15
22	Smartphone-based kanamycin sensing with ratiometric FRET. <i>RSC Advances</i> , 2019, 9, 6143-6151.	3.6	15
23	Nectar biosynthesis is conserved among floral and extrafloral nectaries. <i>Plant Physiology</i> , 2021, 185, 1595-1616.	4.8	15
24	Self-healing capacity of mortars with added-in bio-plastic bacteria-based agents: Characterization and quantification through micro-scale techniques. <i>Construction and Building Materials</i> , 2021, 297, 123793.	7.2	14
25	Single-molecule fluorescence imaging: Generating insights into molecular interactions in virology. <i>Journal of Biosciences</i> , 2018, 43, 519-540.	1.1	11
26	Relaxed Rotational and Scrunching Changes in P266L Mutant of T7 RNA Polymerase Reduce Short Abortive RNAs while Delaying Transition into Elongation. <i>PLoS ONE</i> , 2014, 9, e91859.	2.5	11
27	Encapsulation Techniques and Test Methods of Evaluating the Bacteria-Based Self-Healing Efficiency of Concrete: A Literature Review. <i>Nordic Concrete Research</i> , 2020, 62, 63-85.	0.6	10
28	Dissecting anomalies and dynamic human capital: The global evidence. <i>Borsa Istanbul Review</i> , 2018, 18, 1-32.	5.5	9
29	Effect of Silica Fume and Foundry waste sand on strength characteristics of Geogrid and Ferro cement panel. <i>Materials Today: Proceedings</i> , 2019, 7, 362-372.	1.8	6
30	Effects of fin shapes on heat transfer in microchannel heat sinks. <i>Heat Transfer - Asian Research</i> , 2018, 47, 646-659.	2.8	5
31	A six-factor asset pricing model: The Japanese evidence. <i>Financial Planning Review</i> , 2021, 4, e1109.	2.0	5
32	Life cycle process dependencies of positive-sense RNA viruses suggest strategies for inhibiting productive cellular infection. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210401.	3.4	5
33	Time-varying global financial market inefficiency: an instance of pre-, during, and post-subprime crisis. <i>Decision</i> , 2014, 41, 449-488.	1.5	4
34	The nexus of asset pricing, volatility and the business cycle. <i>Journal of Economic Studies</i> , 2020, 48, 79-101.	1.9	4
35	On the horizon for nectar-related research. <i>American Journal of Botany</i> , 2021, 108, 2326-2330.	1.7	4
36	A tripartite inquiry into financial liberalisation-volatility-information asymmetry nexus: Global panel approach. <i>IIMB Management Review</i> , 2020, 32, 39-58.	1.4	3

#	ARTICLE	IF	CITATIONS
37	Energy and exergy analyses of LiBr/H ₂ O absorption cooling system having recto-trapezoidal profile absorber plate. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 2851-2873.	2.1	3
38	Is Human Capital the Sixth Factor? Evidence from US Data. ACRN Journal of Finance and Risk Perspectives, 2019, 8, 21-55.	1.1	3
39	Optimum design analysis of a solar-assisted LiBr/H ₂ O absorption system with a flat-plate collector. Journal of Thermal Engineering, 2021, 7, 1056-1066.	1.6	2
40	Is the six-factor asset pricing model discounting the global returns?. Macroeconomics and Finance in Emerging Market Economies, 0, , 1-42.	1.0	1
41	The saving, human wealth and asset pricing nexus: Evidence from around the world. Economic Systems, 2022, , 100977.	2.2	0
42	Formulation of Bogue Equations from Thermodynamic Modelling for Low-Carbon Dioxide Ferrite-Belite Clinkers. , 2022, 5, .		0