Subrata Ghosh

List of Publications by Year
in descending order

37 papers	776 citations	567281 15 h-index	526287 27 g-index
40 all docs	40 docs citations	40 times ranked	304 citing authors

#	ARTICLE	IF	CITATIONS
1	Instantaneous Communication Between Cerebellum, Hypothalamus, and Hippocampus (C–H–H) During Decision-Making Process in Human Brain-III. Lecture Notes in Networks and Systems, 2022, , 93-110.	0.7	2
2	All Basics that Are Wrong with the Current Concept of Time Crystal: Learning from the Polyatomic Time Crystals of Protein, microtubule, and Neuron. Lecture Notes in Networks and Systems, 2022, , 243-254.	0.7	13
3	The century-old picture of a nerve spike is wrong: filaments fire, before membrane. Communicative and Integrative Biology, 2022, 15, 115-120.	1.4	6
4	Electrophysiology using coaxial atom probe array: live imaging reveals hidden circuits of a hippocampal neural network. Journal of Neurophysiology, 2021, 125, 2107-2116.	1.8	18
5	Cytoskeletal Filaments Deep Inside a Neuron Are not Silent: They Regulate the Precise Timing of Nerve Spikes Using a Pair of Vortices. Symmetry, 2021, 13, 821.	2.2	32
6	Space and Time Crystal Engineering in Developing Futuristic Chemical Technology. ChemEngineering, 2021, 5, 67.	2.4	3
7	Building a Non-ionic, Non-electronic, Non-algorithmic Artificial Brain: Cortex and Connectome Interaction in a Humanoid Bot Subject (HBS). Advances in Intelligent Systems and Computing, 2021, , 245-278.	0.6	5
8	A Space-Time-Topology-Prime, stTS Metric for a Self-operating Mathematical Universe Uses Dodecanion Geometric Algebra of 2-20 D Complex Vectors. Lecture Notes in Networks and Systems, 2021, , 1-31.	0.7	12
9	Making of Streptavidin Conjugated Crypto-Nanobot: An Advanced Resonance Drug for Cancer Cell Membrane Specificity. Lecture Notes in Networks and Systems, 2021, , 281-287.	0.7	1
10	Time Crystal Engineering in Catalytic Reaction Cycles. Studies in Rhythm Engineering, 2021, , 103-134.	0.2	1
11	Radio Waveguide–Double Ratchet Rotors Work in Unison on a Surface to Convert Heat into Power. Nano Letters, 2020, 20, 6891-6898.	9.1	4
12	Speedy one-pot electrochemical synthesis of giant octahedrons from in situ generated pyrrolidinyl PAMAM dendrimer. Soft Matter, 2020, 16, 9140-9146.	2.7	2
13	A Self-Operating Time Crystal Model of the Human Brain: Can We Replace Entire Brain Hardware with a 3D Fractal Architecture of Clocks Alone?. Information (Switzerland), 2020, 11, 238.	2.9	36
14	Fractal, Scale Free Electromagnetic Resonance of a Single Brain Extracted Microtubule Nanowire, a Single Tubulin Protein and a Single Neuron. Fractal and Fractional, 2020, 4, 11.	3.3	41
15	A Brain-like Computer Made of Time Crystal: Could a Metric of Prime Alone Replace a User and Alleviate Programming Forever?. Studies in Computational Intelligence, 2018, , 1-43.	0.9	20
16	Fractal Information Theory (FIT)-Derived Geometric Musical Language (GML) for Brain-Inspired Hypercomputing. Advances in Intelligent Systems and Computing, 2018, , 343-372.	0.6	10
17	In-vivo & in-vitro toxicity test of molecularly engineered PCMS: A potential drug for wireless remote controlled treatment. Toxicology Reports, 2018, 5, 1044-1052.	3.3	15
18	Inventing atomic resolution scanning dielectric microscopy to see a single protein complex operation live at resonance in a neuron without touching or adulterating the cell. Journal of Integrative Neuroscience, 2016, 15, 435-462.	1.7	37

#	Article	IF	Citations
19	Inventing a co-axial atomic resolution patch clamp to study a single resonating protein complex and ultra-low power communication deep inside a living neuron cell. Journal of Integrative Neuroscience, 2016, 15, 403-433.	1.7	30
20	A simultaneous one pot synthesis of two fractal structures via swapping two fractal reaction kinetic states. Physical Chemistry Chemical Physics, 2016, 18, 14772-14775.	2.8	10
21	An organic jelly made fractal logic gate with an infinite truth table. Scientific Reports, 2015, 5, 11265.	3.3	20
22	Resonant Oscillation Language of a Futuristic Nano-Machine-Module: Eliminating Cancer Cells & Alzheimer A&#946; Plaques. Current Topics in Medicinal Chemistry, 2015, 15, 534-541.	2.1	15
23	Design and Construction of a Brain-Like Computer: A New Class of Frequency-Fractal Computing Using Wireless Communication in a Supramolecular Organic, Inorganic System. Information (Switzerland), 2014, 5, 28-100.	2.9	36
24	Unprecedented C-Methylation at the 2-Position of 2-Carboxy-4-Chromanones â€" A Case Study with the Coreyâ€"Chaykovsky Reagent. Synlett, 2014, 25, 2649-2653.	1.8	4
25	Nano Molecularâ€Platform: A Protocol to Write Energy Transmission Program Inside a Molecule for Bioâ€Inspired Supramolecular Engineering. Advanced Functional Materials, 2014, 24, 1364-1371.	14.9	15
26	Dendrimers: Nano Molecular-Platform: A Protocol to Write Energy Transmission Program Inside a Molecule for Bio-Inspired Supramolecular Engineering (Adv. Funct. Mater. 10/2014). Advanced Functional Materials, 2014, 24, 1338-1338.	14.9	1
27	Evidence of massive global synchronization and the consciousness. Physics of Life Reviews, 2014, 11, 83-84.	2.8	12
28	Live visualizations of single isolated tubulin protein self-assembly via tunneling current: effect of electromagnetic pumping during spontaneous growth of microtubule. Scientific Reports, 2014, 4, 7303.	3.3	76
29	Atomic water channel controlling remarkable properties of a single brain microtubule: Correlating single protein to its supramolecular assembly. Biosensors and Bioelectronics, 2013, 47, 141-148.	10.1	124
30	Multi-level memory-switching properties of a single brain microtubule. Applied Physics Letters, 2013, 102, .	3.3	110
31	On Cellular Automata rules of molecular arrays. Natural Computing, 2012, 11, 311-321.	3.0	6
32	Computational Myths and Mysteries That Have Grown Around Microtubule in the Last Half a Century and Their Possible Verification. Journal of Computational and Theoretical Nanoscience, 2011, 8, 509-515.	0.4	5
33	Molecular Implementations of Cellular Automata. Lecture Notes in Computer Science, 2010, , 650-659.	1.3	5
34	Expeditious synthesis of helianane and C-10 halogenated heliananes employing ring-closing metathesis. Tetrahedron Letters, 2009, 50, 4683-4684.	1.4	18
35	Synthesis of heliannuols A and K, allelochemicals from cultivar sunflowers and the marine metabolite helianane, unusual sesquiterpenes containing a benzoxocane ring system. Tetrahedron, 2007, 63, 644-651.	1.9	30
36	An Advanced Architecture of a Massive Parallel Processing Nano Brain Operating 100 Billion Molecular Neurons Simultaneously. , 0, , 1588-1620.		0

#	ARTICLE	IF	CITATIONS
37	An Advanced Architecture of a Massive Parallel Processing Nano Brain Operating 100 Billion Molecular Neurons Simultaneously. , 0, , 43-73.		1