Adam Mahdi

List of Publications by Year
in descending order

32 papers	494 citations	623188 14 h-index	713013 21 g-index
33 all docs	33 docs citations	33 times ranked	554 citing authors

#	Article	IF	Citations
1	Sensitivity analysis methods in the biomedical sciences. Mathematical Biosciences, 2020, 323, 108306.	0.9	91
2	The center problem on a center manifold in. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 2614-2622.	0.6	45
3	Potential health and economic impacts of dexamethasone treatment for patients with COVID-19. Nature Communications, 2021, 12, 915.	5.8	40
4	Modeling the Afferent Dynamics of the Baroreflex Control System. PLoS Computational Biology, 2013, 9, e1003384.	1.5	35
5	Dynamic Cerebral Autoregulation Reproducibility Is Affected by Physiological Variability. Frontiers in Physiology, 2019, 10, 865.	1.3	29
6	Increased blood pressure variability upon standing up improves reproducibility of cerebral autoregulation indices. Medical Engineering and Physics, 2017, 47, 151-158.	0.8	22
7	Stability and periodic oscillations in the Moonâ€"Rand systems. Nonlinear Analysis: Real World Applications, 2013, 14, 294-313.	0.9	19
8	Modeling Cerebral Blood Flow Velocity During Orthostatic Stress. Annals of Biomedical Engineering, 2015, 43, 1748-1758.	1.3	19
9	Polynomial inverse integrating factors for polynomial vector fields. Discrete and Continuous Dynamical Systems, 2007, 17, 387-395.	0.5	18
10	Centers on center manifolds in the LÃ¼ system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3509-3511.	0.9	17
11	Bayesian Inference in Non-Markovian State-Space Models With Applications to Battery Fractional-Order Systems. IEEE Transactions on Control Systems Technology, 2018, 26, 497-506.	3.2	17
12	Assessment of dynamic cerebral autoregulation in humans: Is reproducibility dependent on blood pressure variability?. PLoS ONE, 2020, 15, e0227651.	1.1	17
13	Darboux integrability of the LÃ¼ system. Journal of Geometry and Physics, 2013, 63, 118-128.	0.7	16
14	At what data length do cerebral autoregulation measures stabilise?. Physiological Measurement, 2017, 38, 1396-1404.	1.2	15
15	Structural Identifiability of Viscoelastic Mechanical Systems. PLoS ONE, 2014, 9, e86411.	1.1	11
16	Circadian Blood Pressure Variations Computed From 1.7 Million Measurements in an Acute Hospital Setting. American Journal of Hypertension, 2019, 32, 1154-1161.	1.0	11
17	Estimated Prevalence of Hypertension and Undiagnosed Hypertension in a Large Inpatient Population: A Cross-sectional Observational Study. American Journal of Hypertension, 2021, 34, 963-972.	1.0	11
18	A hybrid symbolic-numerical approach to the center-focus problem. Journal of Symbolic Computation, 2017, 82, 57-73.	0.5	10

#	Article	IF	Citations
19	OxCOVID19 Database, a multimodal data repository for better understanding the global impact of COVID-19. Scientific Reports, 2021, 11, 9237.	1.6	10
20	CENTER PROBLEM FOR THIRD-ORDER ODEs. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350078.	0.7	9
21	Conservation Laws in Biochemical Reaction Networks. SIAM Journal on Applied Dynamical Systems, 2017, 16, 2213-2232.	0.7	6
22	Effects of non-physiological blood pressure artefacts on cerebral autoregulation. Medical Engineering and Physics, 2017, 47, 218-221.	0.8	5
23	Screening for Hypertension in the INpatient Environment(SHINE): a protocol for a prospective study of diagnostic accuracy among adult hospital patients. BMJ Open, 2019, 9, e033792.	0.8	5
24	Analytic non-integrability of the Suslov problem. Journal of Mathematical Physics, 2012, 53, .	0.5	4
25	Integrability of the Hide–Skeldon–Acheson dynamo. Bulletin Des Sciences Mathematiques, 2014, 138, 470-482.	0.5	3
26	Study protocol for an exploratory interventional study investigating the feasibility of video-based non-contact physiological monitoring in healthy volunteers by Mapping Of Lower Limb skIn pErfusion (MOLLIE). BMJ Open, 2020, 10, e036235.	0.8	3
27	The geometry of the real planar polynomial differential systems having their orbits embedded in conics. Dynamical Systems, 2011, 26, 287-321.	0.2	2
28	Rigid centres on the center manifold of tridimensional differential systems. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 0, , 1-23.	0.8	0
29	Title is missing!. , 2020, 15, e0227651.		0
30	Title is missing!. , 2020, 15, e0227651.		0
31	Title is missing!. , 2020, 15, e0227651.		0
32	Title is missing!. , 2020, 15, e0227651.		0