

Charles R Watts

List of Publications by Year in descending order

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20
papers

596
citations

840776

11
h-index

940533

16
g-index

23
all docs

23
docs citations

23
times ranked

1042
citing authors

#	ARTICLE	IF	CITATIONS
1	Using a Data-Driven Improvement Methodology to Decrease Surgical Site Infections in a Community Neurosurgery Practice: Optimizing Preoperative Screening and Perioperative Antibiotics. <i>World Neurosurgery</i> , 2021, 149, e989-e1000.	1.3	1
2	Conformation and Domain Movement Analysis of Human Matrix Metalloproteinase-2: Role of Associated Zn ²⁺ and Ca ²⁺ Ions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4194.	4.1	5
3	Effects of Selective Substitution of Cysteine Residues on the Conformational Properties of Chlorotoxin Explored by Molecular Dynamics Simulations. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1261.	4.1	6
4	Diagnosis and Treatment of Isolated Cerebral Mucormycosis: Patient-Level Data Meta-Analysis and Mayo Clinic Experience. <i>World Neurosurgery</i> , 2019, 123, 425-434.e5.	1.3	23
5	Effects of force fields on the conformational and dynamic properties of amyloid β (1-40) dimer explored by replica exchange molecular dynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, 279-300.	2.6	23
6	628: DIAGNOSIS AND TREATMENT OF ISOLATED CEREBRAL MUCORMYCOSIS: CASE REPORT AND REVIEW OF LITERATURE. <i>Critical Care Medicine</i> , 2018, 46, 300-300.	0.9	33
7	Structural properties of amyloid β (1-40) dimer explored by replica exchange molecular dynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 1024-1045.	2.6	18
8	Gamma Knife Radiosurgery for Renal Cell Carcinoma and Melanoma Brain Metastases-Higher Doses to Treat Melanoma < 4 mL to Improve Local Control. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 87, S274.	0.8	0
9	Gamma knife stereotactic radiosurgery for renal cell carcinoma and melanoma brain metastases-comparison of dose response. <i>Journal of Radiosurgery and SBRT</i> , 2013, 2, 193-207.	0.2	5
10	Aggressive Red Blood Cell Transfusion: No Association with Improved Outcomes for Victims of Isolated Traumatic Brain Injury. <i>Neurocritical Care</i> , 2008, 8, 337-343.	2.4	64
11	A validation study of a new prognostic index for patients with brain metastases: the Graded Prognostic Assessment. <i>Journal of Neurosurgery</i> , 2008, 109, 87-89.	1.6	128
12	Molecular dynamics simulation of epidermal growth factors in aqueous solution. , 2002, , 412-413.		0
13	Determination of specific peptide-micelle interactions using NMR spectroscopy. , 2002, , 402-403.		0
14	Significance of aromatic-backbone amide interactions in protein structure. <i>Proteins: Structure, Function and Bioinformatics</i> , 2001, 43, 373-381.	2.6	85
15	Domain movement in the epidermal growth factor family of peptides. <i>Computational and Theoretical Chemistry</i> , 2001, 535, 171-182.	1.5	6
16	Conformational Space Comparison of GnRH and IGnRH-III using Molecular Dynamics, Cluster Analysis and Monte Carlo Thermodynamic Integration. <i>Journal of Biomolecular Structure and Dynamics</i> , 2001, 18, 733-748.	3.5	15
17	Molecular dynamics simulations of epidermal growth factor and transforming growth factor- β structures in water. , 1998, 33, 396-407.		5
18	The Use of Dodecylphosphocholine Micelles in Solution NMR. <i>Journal of Magnetic Resonance Series B</i> , 1995, 109, 60-65.	1.6	144

#	ARTICLE	IF	CITATIONS
19	Structure of Leu5-enkephalin bound to a model membrane as determined by high-resolution NMR. International Journal of Peptide Research and Therapeutics, 1995, 2, 59-70.	0.1	17
20	Rationally Designed N,N'-Bis[(N-p-guanidinobenzyl-N-methyl)aminocarbonyl]-1,3-diaminobenzene, "BIGBEN", Binds to the Minor Groove of d(CGCGAATTCGCG) ₂ as Determined by Two-Dimensional Nuclear Magnetic Resonance Spectroscopy. Journal of the American Chemical Society, 1995, 117, 9941-9950.	13.7	18