

Christopher M Runyan

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,214
citations

471509

17
h-index

395702

33
g-index

58
all docs

58
docs citations

58
times ranked

1653
citing authors

#	ARTICLE	IF	CITATIONS
1	Steel factor controls midline cell death of primordial germ cells and is essential for their normal proliferation and migration. <i>Development (Cambridge)</i> , 2006, 133, 4861-4869.	2.5	184
2	Ultrasonic-enhanced gentamicin transport through colony biofilms of <i>Pseudomonas aeruginosa</i> and <i>Escherichia coli</i> . <i>Journal of Infection and Chemotherapy</i> , 2004, 10, 193-199.	1.7	103
3	Ultrasonically Enhanced Vancomycin Activity Against <i>Staphylococcus Epidermidis</i> Biofilms in Vivo. <i>Journal of Biomaterials Applications</i> , 2004, 18, 237-245.	2.4	85
4	Low-frequency ultrasound increases outer membrane permeability of <i>Pseudomonas aeruginosa</i> . <i>Journal of General and Applied Microbiology</i> , 2006, 52, 295-301.	0.7	76
5	Biology of Bone Formation, Fracture Healing, and Distraction Osteogenesis. <i>Journal of Craniofacial Surgery</i> , 2017, 28, 1380-1389.	0.7	69
6	The distribution and behavior of extragonadal primordial germ cells in Bax mutant mice suggest a novel origin for sacrococcygeal germ cell tumors. <i>International Journal of Developmental Biology</i> , 2008, 52, 333-344.	0.6	49
7	Investigating the mechanism of acoustically activated uptake of drugs from Pluronic micelles. <i>BMC Cancer</i> , 2002, 2, 20.	2.6	48
8	Jaw in a Day. <i>Journal of Craniofacial Surgery</i> , 2016, 27, 2101-2104.	0.7	48
9	Dipyridamole enhances osteogenesis of three-dimensionally printed bioactive ceramic scaffolds in calvarial defects. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018, 46, 237-244.	1.7	44
10	Cost Analysis of Mandibular Distraction versus Tracheostomy in Neonates with Pierre Robin Sequence. <i>Otolaryngology - Head and Neck Surgery</i> , 2014, 151, 811-818.	1.9	42
11	Hematoma Risks of Nonsteroidal Anti-inflammatory Drugs Used in Plastic Surgery Procedures. <i>Annals of Plastic Surgery</i> , 2019, 82, S437-S445.	0.9	36
12	Nasal Septal Anatomy in Skeletally Mature Patients With Cleft Lip and Palate. <i>JAMA Facial Plastic Surgery</i> , 2016, 18, 347-353.	2.1	33
13	Porcine Allograft Mandible Revitalization Using Autologous Adipose-Derived Stem Cells, Bone Morphogenetic Protein-2, and Periosteum. <i>Plastic and Reconstructive Surgery</i> , 2010, 125, 1372-1382.	1.4	30
14	Minor Suture Fusion in Syndromic Craniosynostosis. <i>Plastic and Reconstructive Surgery</i> , 2017, 140, 434e-445e.	1.4	30
15	Membrane-Bound Steel Factor Maintains a High Local Concentration for Mouse Primordial Germ Cell Motility, and Defines the Region of Their Migration. <i>PLoS ONE</i> , 2011, 6, e25984.	2.5	28
16	NAM Therapy—Evidence-Based Results. <i>Cleft Palate-Craniofacial Journal</i> , 2020, 57, 529-531.	0.9	26
17	Management of Airway Obstruction in Infants With Pierre Robin Sequence. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2018, 6, e1688.	0.6	25
18	Long-Term Outcomes of Spring-Assisted Surgery for Sagittal Craniosynostosis. <i>Plastic and Reconstructive Surgery</i> , 2020, 146, 833-841.	1.4	21

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19	Repair of a Critical Porcine Tibial Defect by Means of Allograft Revitalization. <i>Plastic and Reconstructive Surgery</i> , 2015, 136, 461e-473e.	1.4	17
20	Treacher Collins Syndrome and Tracheostomy. <i>Annals of Plastic Surgery</i> , 2018, 81, 305-310.	0.9	17
21	Clinical Applications of Stem Cells in Craniofacial Surgery. <i>Facial Plastic Surgery</i> , 2010, 26, 385-395.	0.9	15
22	The Effect of Nasoalveolar Molding on Nasal Airway Anatomy. <i>Cleft Palate-Craniofacial Journal</i> , 2018, 55, 596-601.	0.9	14
23	Incidence of Cranial Base Suture Fusion in Infants with Craniosynostosis. <i>Plastic and Reconstructive Surgery</i> , 2018, 141, 559e-570e.	1.4	14
24	Long-Term Neurocognitive Outcomes of Spring-Assisted Surgery versus Cranial Vault Remodeling for Sagittal Synostosis. <i>Plastic and Reconstructive Surgery</i> , 2021, 147, 661-671.	1.4	14
25	Analysis of Practice Settings for Craniofacial Surgery Fellowship Graduates in North America. <i>Journal of Surgical Education</i> , 2017, 74, 181-186.	2.5	13
26	Applicant Preferences for Virtual Interviews: Insights from the 2020-21 Integrated Plastic Surgery Application Cycle. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2021, 9, e3732.	0.6	13
27	A generalized multistage approach to oral and nasal intubation in infants with Pierre Robin sequence: A retrospective review. <i>Paediatric Anaesthesia</i> , 2018, 28, 1029-1034.	1.1	12
28	Cost Analysis for In-house versus Industry-printed Skull Models for Acute Midfacial Fractures. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2020, 8, e2831.	0.6	12
29	The Vastus Intermedius Periosteal (VIP) Flap: A Novel Flap for Osteoinduction. <i>Journal of Reconstructive Microsurgery</i> , 2010, 26, 335-340.	1.8	9
30	Outpatient Alveolar Bone Grafting. <i>Journal of Craniofacial Surgery</i> , 2016, 27, 1661-1664.	0.7	7
31	Prepectoral Versus Subpectoral Breast Reconstruction in High-Body Mass Index Patients. <i>Annals of Plastic Surgery</i> , 2021, 87, 136-143.	0.9	7
32	Spring-Assisted Strip Craniectomy Versus Cranial Vault Remodeling: Long-Term Psychological, Behavioral, and Executive Function Outcomes. <i>Journal of Craniofacial Surgery</i> , 2020, 31, 2101-2105.	0.7	6
33	Utilizing 3D-Printed Orbital Floor Stamps to Create Patient-Specific Implants for Orbital Floor Reconstruction. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2021, 37, 81-85.	0.8	6
34	Bone Tissue Engineering by Way of Allograft Revitalization: Mechanistic and Mechanical Investigations Using a Porcine Model. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014, 72, 1000.e1-1000.e11.	1.2	5
35	Outcomes of Endoscopic Versus Open Spring Assisted Surgery for Sagittal Craniosynostosis. <i>Journal of Craniofacial Surgery</i> , 2020, 31, 2088-2091.	0.7	5
36	Optimizing Safety of Iliac Bone Harvest Using an Acumed Drill: A Simulated Radiographic Study of 100 Patients. <i>Cleft Palate-Craniofacial Journal</i> , 2017, 54, 674-679.	0.9	4

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37	Neonatal Mandibular Distraction Without a Consolidation Period. <i>Journal of Craniofacial Surgery</i> , 2017, 28, 1942-1945.	0.7	4
38	Outcomes in Orbital Floor Trauma: A Comparison of Isolated and Zygomaticomaxillary-Associated Fractures. <i>Journal of Craniofacial Surgery</i> , 2021, 32, 1487-1490.	0.7	4
39	Safety of Mandibular Osteotomies in Infants with Pierre Robin Sequence: Computer-Aided Modeling to Characterize the Risks of Various Techniques. <i>Plastic and Reconstructive Surgery</i> , 2022, 149, 1169-1177.	1.4	4
40	Endoscopically Assisted Le Fort III Osteotomy Using an Ultrasonic Scalpel. <i>Journal of Craniofacial Surgery</i> , 2009, 20, 2211-2214.	0.7	3
41	Anatomic study of full facial and scalp allografts without cutaneous facial scars. <i>Journal of Plastic Surgery and Hand Surgery</i> , 2013, 47, 1-4.	0.8	3
42	The Drivers of Academic Success in Cleft and Craniofacial Centers. <i>Plastic and Reconstructive Surgery</i> , 2017, 139, 450-456.	1.4	3
43	Digital-Facial Translocation in Amniotic Band Sequence: Evidence of the Intrinsic Theory. <i>Journal of Craniofacial Surgery</i> , 2018, 29, 1890-1892.	0.7	3
44	A Clinical Comparison and Economic Evaluation of Erich Arch Bars, 4-Point Fixation, and Bone-Supported Arch Bars for Maxillomandibular Fixation. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2019, 145, 536.	2.2	3
45	Vascularized Pedicled Fibula for Pediatric Tibia Reconstruction. <i>Journal of Orthopaedic Trauma</i> , 2021, 35, S48-S49.	1.4	3
46	Efficacy of Standard Costochondral Grafting in Patients With Bilateral Craniofacial Microsomia. <i>Journal of Craniofacial Surgery</i> , 2016, 27, e673-e676.	0.7	2
47	Ganglion Cyst of the Temporomandibular Joint Mimicking Auriculotemporal Neuralgia. <i>Journal of Craniofacial Surgery</i> , 2018, 29, e680-e682.	0.7	2
48	A Novel Classification Method of Zygomaticomaxillary Complex Fractures by Suture Comminution to Better Predict Clinical Outcomes. <i>Face</i> , 2020, 1, 124-130.	0.2	2
49	A mimic of soft tissue infection: intra-arterial injection drug use producing hand swelling and digital ischemia. <i>World Journal of Emergency Medicine</i> , 2015, 6, 233.	1.0	2
50	Spring-Assisted Surgery for Treatment of Sagittal Craniosynostosis. <i>Journal of Craniofacial Surgery</i> , 2021, 32, 164-167.	0.7	2
51	Tissue Engineering Strategies for Craniomaxillofacial Surgery: Current Trends in 3D-Printed Bioactive Ceramic Scaffolds. <i>Springer Series in Biomaterials Science and Engineering</i> , 2022, , 55-74.	1.0	2
52	Outcomes Analysis of Neonates Treated for Pierre Robin Sequence. <i>Plastic and Reconstructive Surgery</i> , 2014, 134, 7-8.	1.4	1
53	Parental Perceptions of Neurodevelopment in Toddlers Following Craniosynostosis Repair. <i>Journal of Craniofacial Surgery</i> , 2016, 27, 835-838.	0.7	1
54	The Impact of Perioperative Blood Pressure on Hematoma Development After Panniculectomy. <i>Annals of Plastic Surgery</i> , 2021, 86, S532-S537.	0.9	1

#	ARTICLE	IF	CITATIONS
55	Automated 3D Analysis of Zygomaticomaxillary Fracture Rotation and Displacement. Plastic and Reconstructive Surgery - Global Open, 2021, 9, e3888.	0.6	1
56	Morphology of the Occipital Bones and Foramen Magnum Resulting From Premature Minor Suture Fusion in Crouzon Syndrome. Cleft Palate-Craniofacial Journal, 2023, 60, 591-600.	0.9	1
57	Provision and Utilization of Team- and Community-Based Operative Care for Patients With Cleft Lip/Palate in North Carolina. Cleft Palate-Craniofacial Journal, 2020, 57, 1298-1307.	0.9	0
58	A1 Pulley Tenderness as a Modification to Tenderness along the Flexor Sheath in Diagnosing Pyogenic Flexor Tenosynovitis. Plastic and Reconstructive Surgery - Global Open, 2022, 10, e4165.	0.6	0