

# Andy H Choi

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

434  
citations

933447

10  
h-index

1058476

14  
g-index

18  
all docs

18  
docs citations

18  
times ranked

461  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sol-gel production of bioactive nanocoatings for medical applications. Part I: an introduction. <i>Nanomedicine</i> , 2006, 1, 311-319.	3.3	96
2	Sol-gel production of bioactive nanocoatings for medical applications. Part II: current research and development. <i>Nanomedicine</i> , 2007, 2, 51-61.	3.3	82
3	A review: Recent advances in sol-gel-derived hydroxyapatite nanocoatings for clinical applications. <i>Journal of the American Ceramic Society</i> , 2020, 103, 5442-5453.	3.8	42
4	Mechanical properties of inorganic biomedical thin films and their corresponding testing methods. <i>Surface and Coatings Technology</i> , 2013, 233, 39-48.	4.8	36
5	Calcium phosphate nanocoatings and nanocomposites, part 2: thin films for slow drug delivery and osteomyelitis. <i>Nanomedicine</i> , 2016, 11, 531-544.	3.3	26
6	Calcium phosphate nanocoatings and nanocomposites, part I: recent developments and advancements in tissue engineering and bioimaging. <i>Nanomedicine</i> , 2015, 10, 2249-2261.	3.3	25
7	Finite-element modeling and analysis in nanomedicine and dentistry. <i>Nanomedicine</i> , 2014, 9, 1681-1695.	3.3	20
8	Finite element stress analysis of Ti-6Al-4V and partially stabilized zirconia dental implant during clenching. <i>Acta Odontologica Scandinavica</i> , 2012, 70, 353-361.	1.6	18
9	Biomechanics and functional distortion of the human mandible. <i>Journal of Investigative and Clinical Dentistry</i> , 2015, 6, 241-251.	1.8	14
10	Surface modifications of titanium alloy using nanobioceramic-based coatings to improve osseointegration: a review. <i>Materials Technology</i> , 2020, 35, 742-751.	3.0	12
11	Effects of micromovement on the changes in stress distribution of partially stabilized zirconia (PS-ZrO <sub>2</sub> ) dental implants and bridge during clenching: A three-dimensional finite element analysis. <i>Acta Odontologica Scandinavica</i> , 2013, 71, 72-81.	1.6	10
12	Biomaterials and Bioceramics—Part 1: Traditional, Natural, and Nano. <i>Springer Series in Biomaterials Science and Engineering</i> , 2022, , 1-45.	1.0	8
13	Fracture strength and fractographic analysis of zirconia copings treated with four experimental silane primers. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 68-80.	2.6	5
14	Calcium Phosphate Nanocoatings: Production, Physical and Biological Properties, and Biomedical Applications. , 2017, , 105-149.		5
15	<i>Bioceramics</i> . , 2019, , 16-33.		4