

# Qing Li

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6190445/qing-li-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

416  
papers

15,449  
citations

71  
h-index

103  
g-index

429  
ext. papers

18,657  
ext. citations

4.4  
avg, IF

7.26  
L-index

#	Paper	IF	Citations
416	Correctability of the knee joint observed under a stressed state.. <i>Knee</i> , <b>2022</b> , 34, 206-216	2.6	
415	Fracture Analysis of Compacted Clay Soil Beams with Offset Notches Based on Three-Point Bending Test: Experimental Characterization and Numerical Simulation. <i>Advances in Civil Engineering</i> , <b>2022</b> , 2022, 1-17	1.3	0
414	Bone remodeling following mandibular reconstruction using fibula free flap.. <i>Journal of Biomechanics</i> , <b>2022</b> , 133, 110968	2.9	1
413	Improving antistatic and mechanical properties of glass fiber reinforced polypropylene composites through polar adsorption and anchoring effect of organic salt. <i>Composites Science and Technology</i> , <b>2022</b> , 220, 109285	8.6	0
412	Mechanical characterization and numerical modeling on the yield and fracture behaviors of polymethacrylimide (PMI) foam materials. <i>International Journal of Mechanical Sciences</i> , <b>2022</b> , 218, 107033	5.5	3
411	Phase field fracture in elasto-plastic solids: Incorporating phenomenological failure criteria for ductile materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2022</b> , 391, 114580	5.7	2
410	On quasi-static large deflection of single lap joints under transverse loading. <i>Thin-Walled Structures</i> , <b>2022</b> , 170, 108572	4.7	0
409	Design optimization of bioinspired helicoidal CFRPP/GFRPP hybrid composites for multiple low-velocity impact loads. <i>International Journal of Mechanical Sciences</i> , <b>2022</b> , 107064	5.5	6
408	Lightweight hybrid materials and structures for energy absorption: A state-of-the-art review and outlook. <i>Thin-Walled Structures</i> , <b>2022</b> , 172, 108760	4.7	9
407	Mechanical failure of posterior teeth due to caries and occlusal wear- A modelling study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2022</b> , 125, 104942	4.1	4
406	A bio-inspired foam-filled multi-cell structural configuration for energy absorption. <i>Composites Part B: Engineering</i> , <b>2022</b> , 109801	10	5
405	Correlation between kinematics and biomechanics of helmeted head under different impact conditions. <i>Composite Structures</i> , <b>2022</b> , 115514	5.3	0
404	3-dose of RBD vaccine is sufficient to elicit a long-lasting memory response against SARS-CoV-2 infection.. <i>Signal Transduction and Targeted Therapy</i> , <b>2022</b> , 7, 84	21	1
403	Fatigue behavior of CFRP/Al adhesive joints [Failure mechanisms study using digital image correlation (DIC) technique. <i>Thin-Walled Structures</i> , <b>2022</b> , 174, 109075	4.7	3
402	Vibration-based damage identification in composite plates using 3D-DIC and wavelet analysis. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 173, 108890	7.8	2
401	Imbalance of circulating innate lymphoid cell subpopulations in patients with chronic kidney disease.. <i>Clinical Immunology</i> , <b>2022</b> , 109029	9	
400	Body-fitted bi-directional evolutionary structural optimization using nonlinear diffusion regularization. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2022</b> , 396, 115114	5.7	0

399	Investigation into multiaxial mechanical behaviors of Kelvin and Octet-B polymeric closed-cell foams. <i>Thin-Walled Structures</i> , <b>2022</b> , 177, 109405	4.7	0
398	On characterization of cohesive zone model (CZM) based upon digital image correlation (DIC) method. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 215, 106921	5.5	1
397	MicroRNA-497 inhibits inflammation in DSS-induced IBD model mice and lipopolysaccharide-induced RAW264.7 cells via Wnt/ $\beta$ -catenin pathway. <i>International Immunopharmacology</i> , <b>2021</b> , 101, 108318	5.8	2
396	On multiaxial failure behavior of closed-cell aluminum foams under medium strain rates. <i>Thin-Walled Structures</i> , <b>2021</b> , 160, 107278	4.7	9
395	Improved impact property of long glass fiber-reinforced polypropylene random copolymer composites toughened with beta-nucleating agent via tuning the crystallization and phase. <i>Polymer Composites</i> , <b>2021</b> , 42, 3169-3183	3	2
394	A time-dependent mechanobiology-based topology optimization to enhance bone growth in tissue scaffolds. <i>Journal of Biomechanics</i> , <b>2021</b> , 117, 110233	2.9	3
393	Interfacial Curvature in Confined Coculture Directs Stromal Cell Activity with Spatial Corraling of Pancreatic Cancer Cells. <i>Advanced Biology</i> , <b>2021</b> , 5, e2000525		2
392	On lower confidence bound improvement matrix-based approaches for multiobjective Bayesian optimization and its applications to thin-walled structures. <i>Thin-Walled Structures</i> , <b>2021</b> , 161, 107248	4.7	6
391	On design of carbon fiber reinforced plastic (CFRP) laminated structure with different failure criteria. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 196, 106251	5.5	5
390	Optimization for formability of plain woven carbon fiber fabrics. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 197, 106318	5.5	13
389	Energy restriction causes metaphase delay and chromosome mis-segregation in cancer cells. <i>Cell Cycle</i> , <b>2021</b> , 20, 1195-1208	4.7	0
388	Experimental investigation into stamping of woven CF/PP laminates: Influences of molding temperature on thermal, mesoscopic and macroscopic properties. <i>Composite Structures</i> , <b>2021</b> , 263, 113507	5.3	8
387	Modal identification of vibrating structures using singular value decomposition and nonlinear iteration based on high-speed digital image correlation. <i>Thin-Walled Structures</i> , <b>2021</b> , 163, 107377	4.7	6
386	Th17/IL-17 induces endothelial cell senescence via activation of NF- $\kappa$ B/p53/Rb signaling pathway. <i>Laboratory Investigation</i> , <b>2021</b> , 101, 1418-1426	5.9	3
385	On fatigue failure prediction of prosthetic devices through XFEM analysis. <i>International Journal of Fatigue</i> , <b>2021</b> , 147, 106160	5	4
384	A path-dependent level set topology optimization with fracture criterion. <i>Computers and Structures</i> , <b>2021</b> , 249, 106515	4.5	4
383	Propionibacterium acnes overabundance in gastric cancer promote M2 polarization of macrophages via a TLR4/PI3K/Akt signaling. <i>Gastric Cancer</i> , <b>2021</b> , 24, 1242-1253	7.6	8
382	Dermoscopic Features Summarization and Comparison of Four Types of Cutaneous Vascular Anomalies. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 692060	4.9	0

381	On quasi-static behaviors of different joint methods for connecting carbon fiber reinforce plastic (CFRP) laminate and aluminum alloy. <i>Thin-Walled Structures</i> , <b>2021</b> , 164, 107657	4.7	6
380	On the structural parameters of honeycomb-core sandwich panels against low-velocity impact. <i>Composites Part B: Engineering</i> , <b>2021</b> , 216, 108881	10	23
379	On the effects of temperature on tensile behavior of carbon fiber reinforced epoxy laminates. <i>Thin-Walled Structures</i> , <b>2021</b> , 164, 107769	4.7	9
378	Spectrophotometric evaluation of color errors generated in the visual color duplication procedure for current ceramic veneers. <i>Journal of Dental Sciences</i> , <b>2021</b> , 16, 145-153	2.5	1
377	On reliability analysis method through rotational sparse grid nodes. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 147, 107106	7.8	24
376	On failure mechanisms in CFRP/Al adhesive joints after hygrothermal aging degradation following by mechanical tests. <i>Thin-Walled Structures</i> , <b>2021</b> , 158, 107184	4.7	14
375	Fatigue behavior of carbon fibre reinforced plastic and aluminum single-lap adhesive joints after the transverse pre-impact. <i>International Journal of Fatigue</i> , <b>2021</b> , 144, 105973	5	10
374	The Effect of a Degenerative Spine and Adverse Pelvic Mobility on Prosthetic Impingement in Patients Undergoing Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , <b>2021</b> , 36, 2523-2529	4.4	0
373	A machine learning-based multiscale model to predict bone formation in scaffolds. <i>Nature Computational Science</i> , <b>2021</b> , 1, 532-541		3
372	Finite periodic topology optimization with oriented unit-cells. <i>Structural and Multidisciplinary Optimization</i> , <b>2021</b> , 64, 1765	3.6	1
371	Multiobjective optimization on cooperative control of autonomous emergency steering and occupant restraint system for enhancing occupant safety. <i>Accident Analysis and Prevention</i> , <b>2021</b> , 159, 106302	6.1	1
370	Machine learning based topology optimization of fiber orientation for variable stiffness composite structures. <i>International Journal for Numerical Methods in Engineering</i> , <b>2021</b> , 122, 6736	2.4	0
369	Microstructural heterogeneity of the collagenous network in the loaded and unloaded periodontal ligament and its biomechanical implications. <i>Journal of Structural Biology</i> , <b>2021</b> , 213, 107772	3.4	0
368	Optimal placement of fixation system for scaffold-based mandibular reconstruction. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2021</b> , 126, 104855	4.1	1
367	miR-497 defect contributes to gastric cancer tumorigenesis and progression via regulating CDC42/ITGB1/FAK/PXN/AKT signaling. <i>Molecular Therapy - Nucleic Acids</i> , <b>2021</b> , 25, 567-577	10.7	0
366	Nondeterministic multi-objective and multi-case discrete optimization of functionally-graded front-bumper structures for pedestrian protection. <i>Thin-Walled Structures</i> , <b>2021</b> , 167, 106921	4.7	6
365	Injury biomechanics-based nondeterministic optimization of front-end structures for safety in pedestrian-vehicle impact. <i>Thin-Walled Structures</i> , <b>2021</b> , 167, 108087	4.7	2
364	A stochastic process discretization method combing active learning Kriging model for efficient time-variant reliability analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2021</b> , 384, 113990	5.7	12

363	Parallelized optimization design of bumper systems under multiple low-speed impact loads. <i>Thin-Walled Structures</i> , <b>2021</b> , 167, 108197	4.7	3
362	On impact behavior of fiber metal laminate (FML) structures: A state-of-the-art review. <i>Thin-Walled Structures</i> , <b>2021</b> , 167, 108026	4.7	18
361	Measurement of fracture parameters based upon digital image correlation and virtual crack closure techniques. <i>Composites Part B: Engineering</i> , <b>2021</b> , 224, 109157	10	6
360	Quasi-static and low-velocity impact responses of polypropylene random copolymer composites with adjustable crystalline structures. <i>Composites Part B: Engineering</i> , <b>2021</b> , 224, 109139	10	2
359	A hybrid adaptive Kriging-based single loop approach for complex reliability-based design optimization problems. <i>Reliability Engineering and System Safety</i> , <b>2021</b> , 215, 107736	6.3	8
358	Synthetic Bone-Like Structures Through Omnidirectional Ceramic Bioprinting in Cell Suspensions. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008216	15.6	15
357	Mesenchymal stem cell-derived exosomal miR-21a-5p promotes M2 macrophage polarization and reduces macrophage infiltration to attenuate atherosclerosis. <i>Acta Biochimica Et Biophysica Sinica</i> , <b>2021</b> , 53, 1227-1236	2.8	6
356	Comparative study on aluminum/GFRP/CFRP tubes for oblique lateral crushing. <i>Thin-Walled Structures</i> , <b>2020</b> , 152, 106420	4.7	19
355	Multiobjective discrete optimization using the TOPSIS and entropy method for protection of pedestrian lower extremity. <i>Thin-Walled Structures</i> , <b>2020</b> , 152, 106349	4.7	10
354	Crushing analysis and design optimization for foam-filled aluminum/CFRP hybrid tube against transverse impact. <i>Composites Part B: Engineering</i> , <b>2020</b> , 196, 108029	10	40
353	Monolithic crowns fracture analysis: The effect of material properties, cusp angle and crown thickness. <i>Dental Materials</i> , <b>2020</b> , 36, 1038-1051	5.7	10
352	On design for additive manufacturing (DAM) parameter and its effects on biomechanical properties of 3D printed ceramic scaffolds. <i>Materials Today Communications</i> , <b>2020</b> , 23, 101065	2.5	2
351	Level-set topology optimization for maximizing fracture resistance of brittle materials using phase-field fracture model. <i>International Journal for Numerical Methods in Engineering</i> , <b>2020</b> , 121, 2929-2945	2.4	17
350	Crushing responses and energy absorption behaviors of multi-cell CFRP tubes. <i>Thin-Walled Structures</i> , <b>2020</b> , 155, 106930	4.7	26
349	On low-velocity impact response of foam-core sandwich panels. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 181, 105681	5.5	48
348	Topology optimization for periodic multi-component structures with stiffness and frequency criteria. <i>Structural and Multidisciplinary Optimization</i> , <b>2020</b> , 61, 2271-2289	3.6	7
347	Activatable Cell-Penetrating Peptide Conjugated Polymeric Nanoparticles with Gd-Chelation and Aggregation-Induced Emission for Bimodal MR and Fluorescence Imaging of Tumors.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 1394-1405	4.1	8
346	Ag Nanoparticles Cluster with pH-Triggered Reassembly in Targeting Antimicrobial Applications. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000511	15.6	46

345	Inverse identification of cell-wall material properties of closed-cell aluminum foams based upon Vickers nano-indentation tests. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 176, 105524	5.5	14
344	Comparative study on metal/CFRP hybrid structures under static and dynamic loading. <i>International Journal of Impact Engineering</i> , <b>2020</b> , 141, 103509	4	64
343	Multiobjective optimization of perforated square CFRP tubes for crashworthiness. <i>Thin-Walled Structures</i> , <b>2020</b> , 149, 106628	4.7	31
342	Quasi-static and sound insulation performance of a multifunctional cylindrical cellular shell with bidirectional negative-stiffness metamaterial cores. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 180, 105662	5.5	7
341	On lateral crashworthiness of aluminum/composite hybrid structures. <i>Composite Structures</i> , <b>2020</b> , 245, 112334	5.3	17
340	The role of non- bacteria in the development of gastric cancer. <i>American Journal of Cancer Research</i> , <b>2020</b> , 10, 2271-2281	4.4	3
339	A comparison of fast Fourier transform-based homogenization method to asymptotic homogenization method. <i>Composite Structures</i> , <b>2020</b> , 238, 111979	5.3	4
338	Fracture modeling of brittle biomaterials by the phase-field method. <i>Engineering Fracture Mechanics</i> , <b>2020</b> , 224, 106752	4.2	12
337	Effect of different implant configurations on biomechanical behavior of full-arch implant-supported mandibular monolithic zirconia fixed prostheses. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 102, 103490	4.1	4
336	A novel specimen design to establish the forming limit diagram (FLD) for GFRP through stamping test. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2020</b> , 130, 105737	8.4	13
335	Quasi-static bending and transverse crushing behaviors for hat-shaped composite tubes made of CFRP, GFRP and their hybrid structures. <i>Composite Structures</i> , <b>2020</b> , 239, 111842	5.3	32
334	Parallelized multiobjective efficient global optimization algorithm and its applications. <i>Structural and Multidisciplinary Optimization</i> , <b>2020</b> , 61, 763-786	3.6	13
333	Time-dependent topology optimization of bone plates considering bone remodeling. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2020</b> , 359, 112702	5.7	19
332	Computational analysis and optimization of sandwich panels with homogeneous and graded foam cores for blast resistance. <i>Thin-Walled Structures</i> , <b>2020</b> , 147, 106494	4.7	47
331	On crashworthiness design of hybrid metal-composite structures. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 171, 105380	5.5	68
330	A modular design strategy to integrate mechanotransduction concepts in scaffold-based bone tissue engineering. <i>Acta Biomaterialia</i> , <b>2020</b> , 118, 100-112	10.8	7
329	A computational investigation into the impact resistance of a precise finite element model derived from micro-CT data of a woodpecker's head. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 112, 104107	4.1	0
328	A novel failure criterion based upon forming limit curve for thermoplastic composites. <i>Composites Part B: Engineering</i> , <b>2020</b> , 202, 108320	10	20

327	Improved mode I interlaminar fracture toughness of random polypropylene composite laminate via multiscale reinforcing formed by introducing functional nanofibrillated cellulose. <i>Composites Part B: Engineering</i> , <b>2020</b> , 203, 108481	10	6
326	Characterization of initial and subsequent yield behaviors of closed-cell aluminum foams under multiaxial loadings. <i>Composites Part B: Engineering</i> , <b>2020</b> , 202, 108247	10	14
325	WNT4 secreted by tumor tissues promotes tumor progression in colorectal cancer by activation of the Wnt/ $\beta$ -catenin signalling pathway. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2020</b> , 39, 251	12.8	16
324	Phase field fracture in elasto-plastic solids: a length-scale insensitive model for quasi-brittle materials. <i>Computational Mechanics</i> , <b>2020</b> , 66, 931-961	4	12
323	On crushing responses of filament winding CFRP/aluminum and GFRP/CFRP/aluminum hybrid structures. <i>Composites Part B: Engineering</i> , <b>2020</b> , 200, 108341	10	20
322	A reaction-diffusion based level set method for image segmentation in three dimensions. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 96, 103998	7.2	4
321	MALAT1 overexpression attenuates AS by inhibiting ox-LDL-stimulated dendritic cell maturation via miR-155-5p/NFIA axis. <i>Cell Cycle</i> , <b>2020</b> , 19, 2472-2485	4.7	4
320	circ-ZUFSP regulates trophoblasts migration and invasion through sponging miR-203 to regulate STOX1 expression. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 531, 472-479	3.4	7
319	Experimental study on the dynamic responses of foam sandwich panels with different facesheets and core gradients subjected to blast impulse. <i>International Journal of Impact Engineering</i> , <b>2020</b> , 135, 103327	4	47
318	The mystery of coconut overturns the crashworthiness design of composite materials. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 168, 105244	5.5	11
317	On lateral compression of circular aluminum, CFRP and GFRP tubes. <i>Composite Structures</i> , <b>2020</b> , 232, 111534	5.3	33
316	Effects of buccal thickness augmentation on bone remodeling after maxillary anterior implantation. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2020</b> , 19, 133-145	3.8	3
315	Regulatory innate lymphoid cells suppress innate immunity and reduce renal ischemia/reperfusion injury. <i>Kidney International</i> , <b>2020</b> , 97, 130-142	9.9	18
314	Failure mechanisms in carbon fiber reinforced plastics (CFRP) / aluminum (Al) adhesive bonds subjected to low-velocity transverse pre-impact following by axial post-tension. <i>Composites Part B: Engineering</i> , <b>2019</b> , 172, 339-351	10	21
313	Vibration and Sound Transmission Performance of Sandwich Panels with Uniform and Gradient Auxetic Double Arrowhead Honeycomb Cores. <i>Shock and Vibration</i> , <b>2019</b> , 2019, 1-16	1.1	5
312	Phase field fracture in elasto-plastic solids: Abaqus implementation and case studies. <i>Theoretical and Applied Fracture Mechanics</i> , <b>2019</b> , 103, 102252	3.7	37
311	In vivo effects of different orthodontic loading on root resorption and correlation with mechanobiological stimulus in periodontal ligament. <i>Journal of the Royal Society Interface</i> , <b>2019</b> , 16, 20190108	4.1	12
310	Implicit Integration of the Unified Yield Criterion in the Principal Stress Space. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2019</b> , 145, 04019041	2.4	6

309	Modelling of stress distribution and fracture in dental occlusal fissures. <i>Scientific Reports</i> , <b>2019</b> , 9, 4682	4.9	16
308	Experimental study on residual properties of carbon fibre reinforced plastic (CFRP) and aluminum single-lap adhesive joints at different strain rates after transverse pre-impact. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 124, 105372	8.4	23
307	Phase field fracture in elasto-plastic solids: Variational formulation for multi-surface plasticity and effects of plastic yield surfaces and hardening. <i>International Journal of Mechanical Sciences</i> , <b>2019</b> , 156, 382-396	5.5	32
306	Investigation on masticatory muscular functionality following oral reconstruction - An inverse identification approach. <i>Journal of Biomechanics</i> , <b>2019</b> , 90, 1-8	2.9	10
305	Experimental study on low-velocity impact responses and residual properties of composite sandwiches with metallic foam core. <i>Composite Structures</i> , <b>2019</b> , 223, 110835	5.3	40
304	A Novel Bone Substitute with High Bioactivity, Strength, and Porosity for Repairing Large and Load-Bearing Bone Defects. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1801298	10.1	23
303	Multi-material topology optimization for thermal buckling criteria. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2019</b> , 346, 1136-1155	5.7	26
302	Nondestructive characterization of bone tissue scaffolds for clinical scenarios. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2019</b> , 89, 150-161	4.1	16
301	On hybrid cellular materials based on triply periodic minimal surfaces with extreme mechanical properties. <i>Materials and Design</i> , <b>2019</b> , 183, 108109	8.1	50
300	Three-dimensional reconstruction of internal fascicles and microvascular structures of human peripheral nerves. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2019</b> , 35, e3245	2.6	2
299	Loss of exosomal MALAT1 from ox-LDL-treated vascular endothelial cells induces maturation of dendritic cells in atherosclerosis development. <i>Cell Cycle</i> , <b>2019</b> , 18, 2255-2267	4.7	25
298	A Preoperative Analytical Model for Patient-Specific Impingement Analysis in Total Hip Arthroplasty. <i>Advances in Orthopedics</i> , <b>2019</b> , 2019, 6293916	2.1	6
297	Impact resistance performance and optimal design of a sandwich beam with a negative stiffness core. <i>Journal of Mechanical Science and Technology</i> , <b>2019</b> , 33, 3147-3159	1.6	5
296	Low velocity impact behavior of interlayer hybrid composite laminates with carbon/glass/basalt fibres. <i>Composites Part B: Engineering</i> , <b>2019</b> , 176, 107191	10	78
295	Flexural performance and cost efficiency of carbon/basalt/glass hybrid FRP composite laminates. <i>Thin-Walled Structures</i> , <b>2019</b> , 142, 516-531	4.7	46
294	Dynamic response of sandwich panel with hierarchical honeycomb cores subject to blast loading. <i>Thin-Walled Structures</i> , <b>2019</b> , 142, 499-515	4.7	50
293	Flt3 inhibition alleviates chronic kidney disease by suppressing CD103+ dendritic cell-mediated T cell activation. <i>Nephrology Dialysis Transplantation</i> , <b>2019</b> , 34, 1853-1863	4.3	9
292	Dendritic cell-targeted CD40 DNA vaccine suppresses Th17 and ameliorates progression of experimental autoimmune glomerulonephritis. <i>Journal of Leukocyte Biology</i> , <b>2019</b> , 105, 809-819	6.5	5



291	Exosome-encapsulated miR-505 from ox-LDL-treated vascular endothelial cells aggravates atherosclerosis by inducing NET formation. <i>Acta Biochimica Et Biophysica Sinica</i> , <b>2019</b> , 51, 1233-1241	2.8	23
290	Topographical design of stiffener layout for plates against blast loading using a modified ant colony optimization algorithm. <i>Structural and Multidisciplinary Optimization</i> , <b>2019</b> , 59, 335-350	3.6	19
289	Simultaneous Discrete Topology Optimization of Ply Orientation and Thickness for Carbon Fiber Reinforced Plastic-Laminated Structures. <i>Journal of Mechanical Design, Transactions of the ASME</i> , <b>2019</b> , 141,	3	13
288	Roles of functional strain and capsule compression on mandibular cyst expansion and cortication. <i>Archives of Oral Biology</i> , <b>2019</b> , 98, 1-8	2.8	2
287	Robust topology optimization for multiple fiber-reinforced plastic (FRP) composites under loading uncertainties. <i>Structural and Multidisciplinary Optimization</i> , <b>2019</b> , 59, 695-711	3.6	24
286	Quantitative/qualitative analysis of adhesive-dentin interface in the presence of 10-methacryloy loxydecyl dihydrogen phosphate. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2019</b> , 92, 71-78	4.1	6
285	Experimental and numerical investigation into the crashworthiness of metal-foam-composite hybrid structures. <i>Composite Structures</i> , <b>2019</b> , 209, 535-547	5.3	77
284	Energy absorption mechanics and design optimization of CFRP/aluminium hybrid structures for transverse loading. <i>International Journal of Mechanical Sciences</i> , <b>2019</b> , 150, 767-783	5.5	78
283	Design for cost performance of crashworthy structures made of high strength steel. <i>Thin-Walled Structures</i> , <b>2019</b> , 138, 458-472	4.7	41
282	Nanomechanical characterization of time-dependent deformation/recovery on human dentin caused by radiation-induced glycation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2019</b> , 90, 248-255	4.1	2
281	Architectural Design of 3D Printed Scaffolds Controls the Volume and Functionality of Newly Formed Bone. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1801353	10.1	45
280	Exceptional contact elasticity of human enamel in nanoindentation test. <i>Dental Materials</i> , <b>2019</b> , 35, 87-93.7	3.7	5
279	Design of bionic-bamboo thin-walled structures for energy absorption. <i>Thin-Walled Structures</i> , <b>2019</b> , 135, 400-413	4.7	88
278	Effects of Luting Composites on the Resultant Colors of Ceramic Veneers to Intended Shade Tab. <i>Journal of Prosthodontics</i> , <b>2019</b> , 28, 327-331	3.9	4
277	In-plane and out-of-plane bending responses of aluminum mortise-tenon joints in lightweight electric vehicle inspired by timber structures. <i>Thin-Walled Structures</i> , <b>2018</b> , 127, 169-179	4.7	12
276	Buckling-Induced Assembly of Three-Dimensional Tunable Metamaterials (Phys. Status Solidi RRL 4/2018). <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2018</b> , 12, 1870314	2.5	1
275	Crash responses under multiple impacts and residual properties of CFRP and aluminum tubes. <i>Composite Structures</i> , <b>2018</b> , 194, 87-103	5.3	31
274	Buckling-Induced Assembly of Three-Dimensional Tunable Metamaterials. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2018</b> , 12, 1700420	2.5	1

273	Experimental investigation of the quasi-static axial crushing behavior of filament-wound CFRP and aluminum/CFRP hybrid tubes. <i>Composite Structures</i> , <b>2018</b> , 194, 208-225	5.3	87
272	The effect of seated pelvic tilt on posterior edge-loading in total hip arthroplasty: A finite element investigation. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , <b>2018</b> , 232, 241-248	1.7	6
271	Biomechanical analysis of bone remodeling following mandibular reconstruction using fibula free flap. <i>Medical Engineering and Physics</i> , <b>2018</b> , 56, 1-8	2.4	16
270	Validation of an MRI Protocol for Routine Quantitative Assessment of Tunnel Position in Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , <b>2018</b> , 46, 1624-1631	6.8	15
269	On crushing behaviors of aluminium/CFRP tubes subjected to axial and oblique loading: An experimental study. <i>Composites Part B: Engineering</i> , <b>2018</b> , 145, 47-56	10	45
268	Evaluation of a Novel Computer Color Matching System Based on the Improved Back-Propagation Neural Network Model. <i>Journal of Prosthodontics</i> , <b>2018</b> , 27, 775-783	3.9	10
267	A new multi-objective discrete robust optimization algorithm for engineering design. <i>Applied Mathematical Modelling</i> , <b>2018</b> , 53, 602-621	4.5	79
266	On hierarchical honeycombs under out-of-plane crushing. <i>International Journal of Solids and Structures</i> , <b>2018</b> , 135, 1-13	3.1	114
265	Experimental and numerical studies on indentation and perforation characteristics of honeycomb sandwich panels. <i>Composite Structures</i> , <b>2018</b> , 184, 110-124	5.3	76
264	Modeling for CFRP structures subjected to quasi-static crushing. <i>Composite Structures</i> , <b>2018</b> , 184, 41-55	5.3	92
263	Mechanical and Acoustic Performance of Sandwich Panels With Hybrid Cellular Cores. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2018</b> , 140,	1.6	14
262	Multi-objective topology optimization of a vehicle door using multiple material tailor-welded blank (TWB) technology. <i>Advances in Engineering Software</i> , <b>2018</b> , 124, 1-9	3.6	29
261	Mechanical properties of hybrid composites reinforced by carbon and basalt fibers. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 148, 636-651	5.5	64
260	Residual crashworthiness of CFRP structures with pre-impact damage [An experimental and numerical study. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 149, 122-135	5.5	39
259	High-velocity impact behaviour of aluminium honeycomb sandwich panels with different structural configurations. <i>International Journal of Impact Engineering</i> , <b>2018</b> , 122, 119-136	4	70
258	On fracture characteristics of adhesive joints with dissimilar materials [An experimental study using digital image correlation (DIC) technique. <i>Composite Structures</i> , <b>2018</b> , 201, 1056-1075	5.3	52
257	Shell buckling: from morphogenesis of soft matter to prospective applications. <i>Bioinspiration and Biomimetics</i> , <b>2018</b> , 13, 051001	2.6	9
256	Multi-objective Reliability-Based Design Optimization for Energy Absorption Components Considering Manufacturing Effects <b>2018</b> , 310-319		

255	Bending characteristics of top-hat structures through tailor rolled blank (TRB) process. <i>Thin-Walled Structures</i> , <b>2018</b> , 123, 420-440	4.7	53
254	Topological configuration analysis and design for foam filled multi-cell tubes. <i>Engineering Structures</i> , <b>2018</b> , 155, 235-250	4.7	73
253	Configurational optimization of multi-cell topologies for multiple oblique loads. <i>Structural and Multidisciplinary Optimization</i> , <b>2018</b> , 57, 469-488	3.6	53
252	Nondeterministic optimization of tapered sandwich column for crashworthiness. <i>Thin-Walled Structures</i> , <b>2018</b> , 122, 193-207	4.7	60
251	Energy absorption of metal, composite and metal/composite hybrid structures under oblique crushing loading. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 135, 458-483	5.5	130
250	Biofabrication: A Guide to Technology and Terminology. <i>Trends in Biotechnology</i> , <b>2018</b> , 36, 384-402	15.1	309
249	Low-velocity impact behaviour of sandwich panels with homogeneous and stepwise graded foam cores. <i>Materials and Design</i> , <b>2018</b> , 160, 1117-1136	8.1	61
248	Crashworthiness optimization with uncertainty from surrogate model and numerical error. <i>Thin-Walled Structures</i> , <b>2018</b> , 129, 457-472	4.7	23
247	Micro-CT based modelling for characterising injection-moulded porous titanium implants. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2017</b> , 33, e02779	2.6	6
246	Crashworthiness design of functionally graded structures with variable diameters. <i>International Journal of Crashworthiness</i> , <b>2017</b> , 22, 148-162	1	13
245	Bone morphological effects on post-implantation remodeling of maxillary anterior buccal bone: A clinical and biomechanical study. <i>Journal of Prosthodontic Research</i> , <b>2017</b> , 61, 393-402	4.3	17
244	Increased circulating CXCR5 CD4 T follicular helper-like cells in oral lichen planus. <i>Journal of Oral Pathology and Medicine</i> , <b>2017</b> , 46, 803-809	3.3	11
243	Static and dynamic crushing responses of CFRP sandwich panels filled with different reinforced materials. <i>Materials and Design</i> , <b>2017</b> , 117, 396-408	8.1	41
242	Crashworthiness analysis and optimization of fourier varying section tubes. <i>International Journal of Non-Linear Mechanics</i> , <b>2017</b> , 92, 41-58	2.8	55
241	Time-Dependent Reliability Analysis Through Response Surface Method. <i>Journal of Mechanical Design, Transactions of the ASME</i> , <b>2017</b> , 139,	3	135
240	Multiobjective optimization of cartilage stress for non-invasive, patient-specific recommendations of high tibial osteotomy correction angle - a novel method to investigate alignment correction. <i>Medical Engineering and Physics</i> , <b>2017</b> , 42, 26-34	2.4	15
239	Discrete topology optimization of ply orientation for a carbon fiber reinforced plastic (CFRP) laminate vehicle door. <i>Materials and Design</i> , <b>2017</b> , 128, 9-19	8.1	48
238	Topology Optimization of Multicell Tubes Under Out-of-Plane Crushing Using a Modified Artificial Bee Colony Algorithm. <i>Journal of Mechanical Design, Transactions of the ASME</i> , <b>2017</b> , 139,	3	32

237	On crushing characteristics of different configurations of metal-composites hybrid tubes. <i>Composite Structures</i> , <b>2017</b> , 175, 58-69	5.3	90
236	Computational and clinical investigation on the role of mechanical vibration on orthodontic tooth movement. <i>Journal of Biomechanics</i> , <b>2017</b> , 60, 57-64	2.9	17
235	Conflict resolution for enhancing shipping safety and improving navigational traffic within a seaport: vessel arrival scheduling. <i>Transportmetrica A: Transport Science</i> , <b>2017</b> , 13, 727-741	2.5	6
234	Identification of dynamic load for prosthetic structures. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2017</b> , 33, e2889	2.6	4
233	Parameterization of criss-cross configurations for multiobjective crashworthiness optimization. <i>International Journal of Mechanical Sciences</i> , <b>2017</b> , 124-125, 145-157	5.5	129
232	Dynamic crash responses of bio-inspired aluminum honeycomb sandwich structures with CFRP panels. <i>Composites Part B: Engineering</i> , <b>2017</b> , 121, 122-133	10	126
231	Computational Design for Scaffold Tissue Engineering. <i>Springer Series in Biomaterials Science and Engineering</i> , <b>2017</b> , 349-369	0.6	2
230	An experimental and numerical study on quasi-static and dynamic crashing behaviors for tailor rolled blank (TRB) structures. <i>Materials and Design</i> , <b>2017</b> , 118, 175-197	8.1	54
229	Multiobjective reliability-based optimization for crashworthy structures coupled with metal forming process. <i>Structural and Multidisciplinary Optimization</i> , <b>2017</b> , 56, 1571-1587	3.6	33
228	Crashworthiness design of a steel/aluminum hybrid rail using multi-response objective-oriented sequential optimization. <i>Advances in Engineering Software</i> , <b>2017</b> , 112, 192-199	3.6	19
227	Experimental and numerical study on honeycomb sandwich panels under bending and in-panel compression. <i>Materials and Design</i> , <b>2017</b> , 133, 154-168	8.1	127
226	Axial and lateral crushing responses of aluminum honeycombs filled with EPP foam. <i>Composites Part B: Engineering</i> , <b>2017</b> , 130, 236-247	10	62
225	On functionally-graded crashworthy shape of conical structures for multiple load cases. <i>Journal of Mechanical Science and Technology</i> , <b>2017</b> , 31, 2861-2873	1.6	13
224	Load bearing and failure characteristics of perforated square CFRP tubes under axial crushing. <i>Composite Structures</i> , <b>2017</b> , 160, 23-35	5.3	38
223	Multi-objective and multi-case reliability-based design optimization for tailor rolled blank (TRB) structures. <i>Structural and Multidisciplinary Optimization</i> , <b>2017</b> , 55, 1899-1916	3.6	83
222	Simulation of multi-stage nonlinear bone remodeling induced by fixed partial dentures of different configurations: a comparative clinical and numerical study. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2017</b> , 16, 411-423	3.8	7
221	On design optimization for structural crashworthiness and its state of the art. <i>Structural and Multidisciplinary Optimization</i> , <b>2017</b> , 55, 1091-1119	3.6	219
220	Age-associated alteration in Th17 cell response is related to endothelial cell senescence and atherosclerotic cerebral infarction. <i>American Journal of Translational Research (discontinued)</i> , <b>2017</b> , 9, 5160-5168	3	6

219	Multiscale Remodelling and Topographical Optimisation for Porous Implant Surface Morphology Design. <i>Springer Series in Biomaterials Science and Engineering</i> , <b>2017</b> , 71-105	0.6	2
218	CD103+ Dendritic Cells Elicit CD8+ T Cell Responses to Accelerate Kidney Injury in Adriamycin Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2016</b> , 27, 1344-60	12.7	32
217	XFEM Fracture Modelling for Implant-Supported Fixed Partial Dentures. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 846, 488-493	0.3	0
216	The Biomechanical Responses of Mandibular Bone Installed with Fixed Partial Denture. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 846, 276-281	0.3	
215	Fracture behaviors of ceramic tissue scaffolds for load bearing applications. <i>Scientific Reports</i> , <b>2016</b> , 6, 28816	4.9	29
214	Theoretical, numerical, and experimental study on laterally variable thickness (LVT) multi-cell tubes for crashworthiness. <i>International Journal of Mechanical Sciences</i> , <b>2016</b> , 118, 283-297	5.5	78
213	On design of graded honeycomb filler and tubal wall thickness for multiple load cases. <i>Thin-Walled Structures</i> , <b>2016</b> , 109, 377-389	4.7	53
212	A Kirigami Approach to Forming a Synthetic Buckliball. <i>Scientific Reports</i> , <b>2016</b> , 6, 33016	4.9	9
211	On the shape transformation of cone scales. <i>Soft Matter</i> , <b>2016</b> , 12, 9797-9802	3.6	15
210	Design of transversely-graded foam and wall thickness structures for crashworthiness criteria. <i>Composites Part B: Engineering</i> , <b>2016</b> , 92, 338-349	10	71
209	Multiobjective sequential optimization for a vehicle door using hybrid materials tailor-welded structure. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2016</b> , 230, 3092-3100	1.3	17
208	Topological design of all-ceramic dental bridges for enhancing fracture resistance. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2016</b> , 32, e02749	2.6	23
207	Biofabrication: reappraising the definition of an evolving field. <i>Biofabrication</i> , <b>2016</b> , 8, 013001	10.5	387
206	Effects of design parameters on fracture resistance of glass simulated dental crowns. <i>Dental Materials</i> , <b>2016</b> , 32, 373-84	5.7	10
205	Multiobjective robust optimization of coronary stents. <i>Materials and Design</i> , <b>2016</b> , 90, 682-692	8.1	37
204	Smoothed finite element method for analysis of multi-layered systems [Applications in biomaterials]. <i>Computers and Structures</i> , <b>2016</b> , 168, 16-29	4.5	15
203	Theoretical prediction and optimization of multi-cell hexagonal tubes under axial crashing. <i>Thin-Walled Structures</i> , <b>2016</b> , 102, 111-121	4.7	89
202	Fracture behavior of inlay and onlay fixed partial dentures - An in-vitro experimental and XFEM modeling study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2016</b> , 59, 279-290	4.1	13

201	Biomechanical investigation into the role of the periodontal ligament in optimising orthodontic force: a finite element case study. <i>Archives of Oral Biology</i> , <b>2016</b> , 66, 98-107	2.8	41
200	Characterization of tissue scaffolds for time-dependent biotransport criteria - a novel computational procedure. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2016</b> , 19, 1210-1214	2.1	7
199	Determination of oral mucosal Poisson's ratio and coefficient of friction from in-vivo contact pressure measurements. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2016</b> , 19, 357-365	2.1	11
198	On design of multi-cell thin-wall structures for crashworthiness. <i>International Journal of Impact Engineering</i> , <b>2016</b> , 88, 102-117	4	124
197	Mechanical benefits of conservative restoration for dental fissure caries. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2016</b> , 53, 11-20	4.1	23
196	Development and Validation of a High-Fidelity Finite-Element Model of Monopolar Stimulation in the Implanted Guinea Pig Cochlea. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 188-98	5	14
195	On the Topology Optimization of Elastic Supporting Structures under Thermomechanical Loads. <i>International Journal of Aerospace Engineering</i> , <b>2016</b> , 2016, 1-12	0.9	5
194	The Relationship of Mandibular Morphology with Residual Ridge Resorption Associated with Implant-Retained Overdentures. <i>International Journal of Prosthodontics</i> , <b>2016</b> , 29, 573-580	1.9	2
193	Biomechanical optimization of subject-specific implant positioning for femoral head resurfacing to reduce fracture risk. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , <b>2016</b> , 230, 668-74	1.7	1
192	On energy absorption of functionally graded tubes under transverse loading. <i>International Journal of Mechanical Sciences</i> , <b>2016</b> , 115-116, 465-480	5.5	50
191	A finite-element approach to evaluating the size effects of complex nanostructures. <i>Royal Society Open Science</i> , <b>2016</b> , 3, 160625	3.3	4
190	Crashworthiness analysis and optimization of sinusoidal corrugation tube. <i>Thin-Walled Structures</i> , <b>2016</b> , 105, 121-134	4.7	68
189	Sensitivity analysis and reliability based design optimization for high-strength steel tailor welded thin-walled structures under crashworthiness. <i>Thin-Walled Structures</i> , <b>2016</b> , 109, 132-142	4.7	62
188	Yielding behaviors of polymeric scaffolds with implications to tissue engineering. <i>Materials Letters</i> , <b>2016</b> , 184, 108-111	3.3	12
187	Crashworthiness of vertex based hierarchical honeycombs in out-of-plane impact. <i>Materials and Design</i> , <b>2016</b> , 110, 705-719	8.1	123
186	Experimental study on crashworthiness of empty/aluminum foam/honeycomb-filled CFRP tubes. <i>Composite Structures</i> , <b>2016</b> , 152, 969-993	5.3	136
185	A comparative study on complete and implant retained denture treatments: a biomechanics perspective. <i>Journal of Biomechanics</i> , <b>2015</b> , 48, 512-9	2.9	42
184	Bone's responses to different designs of implant-supported fixed partial dentures. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2015</b> , 14, 403-11	3.8	26

183	Crashworthiness study on functionally graded thin-walled structures. <i>International Journal of Crashworthiness</i> , <b>2015</b> , 20, 280-300	1	28
182	Experimental and numerical studies on multi-layered corrugated sandwich panels under crushing loading. <i>Composite Structures</i> , <b>2015</b> , 126, 371-385	5.3	74
181	On functionally graded composite structures for crashworthiness. <i>Composite Structures</i> , <b>2015</b> , 132, 393-405	5.9	77
180	Modeling of damage driven fracture failure of fiber post-restored teeth. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2015</b> , 49, 277-89	4.1	14
179	Subject specific finite element modeling of periprosthetic femoral fracture using element deactivation to simulate bone failure. <i>Medical Engineering and Physics</i> , <b>2015</b> , 37, 567-73	2.4	4
178	On design of multi-cell tubes under axial and oblique impact loads. <i>Thin-Walled Structures</i> , <b>2015</b> , 95, 115-126	4.7	180
177	Crashworthiness design for foam-filled thin-walled structures with functionally lateral graded thickness sheets. <i>Thin-Walled Structures</i> , <b>2015</b> , 91, 63-71	4.7	78
176	How does negative Poisson's ratio of foam filler affect crashworthiness?. <i>Materials and Design</i> , <b>2015</b> , 82, 247-259	8.1	79
175	Buckling-induced retraction of spherical shells: A study on the shape of aperture. <i>Scientific Reports</i> , <b>2015</b> , 5, 11309	4.9	10
174	Crashworthiness analysis and design of multi-cell hexagonal columns under multiple loading cases. <i>Finite Elements in Analysis and Design</i> , <b>2015</b> , 104, 89-101	2.2	169
173	Experimental investigation into dynamic axial impact responses of double hat shaped CFRP tubes. <i>Composites Part B: Engineering</i> , <b>2015</b> , 79, 494-504	10	61
172	Crashworthiness design for functionally graded foam-filled bumper beam. <i>Advances in Engineering Software</i> , <b>2015</b> , 85, 81-95	3.6	82
171	Toxoplasma gondii isolate with genotype Chinese 1 triggers trophoblast apoptosis through oxidative stress and mitochondrial dysfunction in mice. <i>Experimental Parasitology</i> , <b>2015</b> , 154, 51-61	2.1	21
170	Subject-specific finite element model with an optical tracking system in total hip replacement surgery. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , <b>2015</b> , 229, 280-90	1.7	2
169	Biomechanics of oral mucosa. <i>Journal of the Royal Society Interface</i> , <b>2015</b> , 12, 20150325	4.1	54
168	Design of fiber metamaterials with negative refractive index in the infrared. <i>Optics Express</i> , <b>2015</b> , 23, 18236-42	3.3	5
167	Engineering Pre-vascularized Scaffolds for Bone Regeneration. <i>Advances in Experimental Medicine and Biology</i> , <b>2015</b> , 881, 79-94	3.6	71
166	An experimental study on fatigue characteristics of CFRP-steel hybrid laminates. <i>Materials and Design</i> , <b>2015</b> , 88, 643-650	8.1	40

165	Atomic layer deposition of Al <sub>2</sub> O <sub>3</sub> and Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> barrier coatings to reduce the water vapour permeability of polyetheretherketone. <i>Thin Solid Films</i> , <b>2015</b> , 591, 131-136	2.2	21
164	A comparative study on thin-walled structures with functionally graded thickness (FGT) and tapered tubes withstanding oblique impact loading. <i>International Journal of Impact Engineering</i> , <b>2015</b> , 77, 68-83	4	116
163	Multiobjective robust design optimization of fatigue life for a truck cab. <i>Reliability Engineering and System Safety</i> , <b>2015</b> , 135, 1-8	6.3	75
162	Investigation of mucosa-induced residual ridge resorption under implant-retained overdentures and complete dentures in the mandible. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2015</b> , 30, 657-66	2.8	24
161	Investigating size effects of complex nanostructures through Young-Laplace equation and finite element analysis. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 204301	2.5	3
160	Dynamic crashing behavior of new extrudable multi-cell tubes with a functionally graded thickness. <i>International Journal of Mechanical Sciences</i> , <b>2015</b> , 103, 63-73	5.5	148
159	Design for minimizing fracture risk of all-ceramic cantilever dental bridge. <i>Bio-Medical Materials and Engineering</i> , <b>2015</b> , 26 Suppl 1, S19-25	1	0
158	Shape Optimization for Additive Manufacturing of Removable Partial Dentures--A New Paradigm for Prosthetic CAD/CAM. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132552	3.7	32
157	Computational modeling of dynamic behaviors of human teeth. <i>Journal of Biomechanics</i> , <b>2015</b> , 48, 4214-20	2.0	15
156	Comparison of functionally-graded structures under multiple loading angles. <i>Thin-Walled Structures</i> , <b>2015</b> , 94, 334-347	4.7	65
155	Discrete robust optimization algorithm based on Taguchi method for structural crashworthiness design. <i>Expert Systems With Applications</i> , <b>2015</b> , 42, 4482-4492	7.8	47
154	Multiobjective robust optimization for crashworthiness design of foam filled thin-walled structures with random and interval uncertainties. <i>Engineering Structures</i> , <b>2015</b> , 88, 111-124	4.7	55
153	Development of HEATHER for cochlear implant stimulation using a new modeling workflow. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2015</b> , 62, 728-35	5	14
152	Simulation of bone remodelling in orthodontic treatment. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2014</b> , 17, 1042-50	2.1	19
151	Failure analysis for resistance spot welding in lap-shear specimens. <i>International Journal of Mechanical Sciences</i> , <b>2014</b> , 78, 154-166	5.5	17
150	Crashing analysis and multiobjective optimization for thin-walled structures with functionally graded thickness. <i>International Journal of Impact Engineering</i> , <b>2014</b> , 64, 62-74	4	206
149	Crashworthiness design of foam-filled bitubal structures with uncertainty. <i>International Journal of Non-Linear Mechanics</i> , <b>2014</b> , 67, 120-132	2.8	66
148	Optimization design of corrugated beam guardrail based on RBF-MQ surrogate model and collision safety consideration. <i>Advances in Engineering Software</i> , <b>2014</b> , 78, 28-40	3.6	29



147	Quasi-static axial crushing and transverse bending of double hat shaped CFRP tubes. <i>Composite Structures</i> , <b>2014</b> , 117, 1-11	5.3	91
146	Crushing analysis of foam-filled single and bitubal polygonal thin-walled tubes. <i>International Journal of Mechanical Sciences</i> , <b>2014</b> , 87, 226-240	5.5	92
145	Evaluation of an optimized shade guide made from porcelain powder mixtures. <i>Journal of Prosthetic Dentistry</i> , <b>2014</b> , 112, 1553-8	4	4
144	MicroRNA-29b promotes high-fat diet-stimulated endothelial permeability and apoptosis in apoE knock-out mice by down-regulating MT1 expression. <i>International Journal of Cardiology</i> , <b>2014</b> , 176, 764-770	3.2	34
143	Identification of mechanical properties of the weld line by combining 3D digital image correlation with inverse modeling procedure. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2014</b> , 74, 893-905	3.2	28
142	Parametric analysis and multiobjective optimization for functionally graded foam-filled thin-wall tube under lateral impact. <i>Computational Materials Science</i> , <b>2014</b> , 90, 265-275	3.2	110
141	Impact responses and residual flexural properties of narrow CFRP laminates. <i>Composite Structures</i> , <b>2014</b> , 111, 332-339	5.3	26
140	A periodontal ligament driven remodeling algorithm for orthodontic tooth movement. <i>Journal of Biomechanics</i> , <b>2014</b> , 47, 1689-95	2.9	65
139	Determination of mechanical properties of the weld line by combining micro-indentation with inverse modeling. <i>Computational Materials Science</i> , <b>2014</b> , 85, 347-362	3.2	34
138	Multiobjective crashworthiness optimization of hollow and conical tubes for multiple load cases. <i>Thin-Walled Structures</i> , <b>2014</b> , 82, 331-342	4.7	71
137	Structure of influenza virus N7: the last piece of the neuraminidase "jigsaw" puzzle. <i>Journal of Virology</i> , <b>2014</b> , 88, 9197-207	6.6	33
136	Development of a novel identification platform for automotive dampers. <i>International Journal of Vehicle Design</i> , <b>2014</b> , 66, 272	2.4	4
135	Fatigue optimization with combined ensembles of surrogate modeling for a truck cab. <i>Journal of Mechanical Science and Technology</i> , <b>2014</b> , 28, 4641-4649	1.6	19
134	Double-negative metamaterial from conducting spheres with a high-permittivity shell. <i>Optics Letters</i> , <b>2014</b> , 39, 4587-90	3	5
133	Comparing Contact Pressure Induced by a Conventional Complete Denture and an Implant-Retained Overdenture. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 553, 384-389	0.3	2
132	Automated High Quality Isosurface Modeling Technique for Iterative Two-Phase Problems. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 553, 818-823	0.3	
131	Buckling-Induced Retraction of Structured Spherical Shell under Pressure. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 553, 842-846	0.3	
130	Validate Mandible Finite Element Model under Removable Partial Denture (RPD) with In Vivo Pressure Measurement. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 553, 322-326	0.3	4

129	Crashworthiness optimization of new thin-walled cellular configurations. <i>Engineering Computations</i> , <b>2014</b> , 31, 879-897	1.4	8
128	Magnetic Resonance Imaging (MRI) Based Finite Element Modeling for Analyzing the Influence of Material Properties on Menisci Responses. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 553, 305-309	0.3	4
127	Impaction Loads Resulting in Intraoperative Periprosthetic Femoral Fracture: A Finite Element Study. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 553, 299-304	0.3	
126	Design of fishnet metamaterials with broadband negative refractive index in the visible spectrum. <i>Optics Letters</i> , <b>2014</b> , 39, 2415-8	3	19
125	Multiscale metamaterials: a new route to isotropic double-negative behaviour at visible frequencies. <i>Optics Express</i> , <b>2014</b> , 22, 21929-37	3.3	2
124	Towards ultra-stiff materials: Surface effects on nanoporous materials. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 101903	3.4	9
123	Topology Optimization of Photonic Band Gap Crystals. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 553, 824-829		1
122	Numerical Simulation of Biomechanical Behaviours in Novel Dental Restorations. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 553, 327-331	0.3	1
121	Experimental study on crashworthiness of tailor-welded blank (TWB) thin-walled high-strength steel (HSS) tubular structures. <i>Thin-Walled Structures</i> , <b>2014</b> , 74, 12-27	4.7	53
120	Experimental investigation on high strength steel (HSS) tailor-welded blanks (TWBs). <i>Journal of Materials Processing Technology</i> , <b>2014</b> , 214, 925-935	5.3	33
119	Robust optimization of foam-filled thin-walled structure based on sequential Kriging metamodel. <i>Structural and Multidisciplinary Optimization</i> , <b>2014</b> , 49, 897-913	3.6	69
118	A Comparative study on multiobjective reliable and robust optimization for crashworthiness design of vehicle structure. <i>Structural and Multidisciplinary Optimization</i> , <b>2013</b> , 48, 669-684	3.6	80
117	Crashworthiness design of multi-component tailor-welded blank (TWB) structures. <i>Structural and Multidisciplinary Optimization</i> , <b>2013</b> , 48, 653-667	3.6	52
116	Multiobjective optimization design for vehicle occupant restraint system under frontal impact. <i>Structural and Multidisciplinary Optimization</i> , <b>2013</b> , 47, 465-477	3.6	25
115	Thermally induced fracture for core-veneered dental ceramic structures. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 8394-402	10.8	53
114	Bioinspired lightweight cellular materials--understanding effects of natural variation on mechanical properties. <i>Materials Science and Engineering C</i> , <b>2013</b> , 33, 3146-52	8.3	9
113	Influence of different luting agents on the stress distributions of implant-supported all-ceramic single crown. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2013</b> , 28, 1227-1230	1	
112	Fishnet metamaterial with double negative refractive index in blue region of visible spectrum <b>2013</b> ,		1

111	Experimental investigation into transverse crashworthiness of CFRP adhesively bonded joints in vehicle structure. <i>Composite Structures</i> , <b>2013</b> , 106, 581-589	5.3	31
110	Crashworthiness optimization of foam-filled tapered thin-walled structure using multiple surrogate models. <i>Structural and Multidisciplinary Optimization</i> , <b>2013</b> , 47, 221-231	3.6	165
109	On design of multi-functional microstructural materials. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 51-66	4.3	129
108	Multiscale design of surface morphological gradient for osseointegration. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2013</b> , 20, 387-97	4.1	56
107	Identification of material parameters for aluminum foam at high strain rate. <i>Computational Materials Science</i> , <b>2013</b> , 74, 65-74	3.2	22
106	Three dimensional quantification of mandibular bone remodeling using standard tessellation language registration based superimposition. <i>Clinical Oral Implants Research</i> , <b>2013</b> , 24, 1273-9	4.8	16
105	Crashworthiness optimization of corrugated sandwich panels. <i>Materials &amp; Design</i> , <b>2013</b> , 51, 1071-1084		90
104	Multiobjective reliability-based optimization for design of a vehicledoor. <i>Finite Elements in Analysis and Design</i> , <b>2013</b> , 67, 13-21	2.2	93
103	Lightweight design of carbon twill weave fabric composite body structure for electric vehicle. <i>Composite Structures</i> , <b>2013</b> , 97, 231-238	5.3	149
102	Optimizing two-level hierarchical particles for thin-film solar cells. <i>Optics Express</i> , <b>2013</b> , 21 Suppl 2, A2853-94	3.4	11
101	A Design Procedure for Electric Inductive Capacitive Resonators with Negative Permittivity. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 448-453, 2199-2202	0.3	
100	A low-toxic site-directed mutant of Clostridium perfringens $\beta$ -toxin as a potential candidate vaccine against enterotoxemia. <i>Human Vaccines and Immunotherapeutics</i> , <b>2013</b> , 9, 2386-92	4.4	20
99	Numerical simulation of dental bone remodeling induced by implant-supported fixed partial denture with or without cantilever extension. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2013</b> , 29, 1134-47	2.6	17
98	Influence of blood vessel conductivity in cochlear implant stimulation using a finite element head model. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2013</b> , 2013, 5291-4	0.9	4
97	Functional and structural analysis of influenza virus neuraminidase N3 offers further insight into the mechanisms of oseltamivir resistance. <i>Journal of Virology</i> , <b>2013</b> , 87, 10016-24	6.6	24
96	A study of shape optimization on the metallic nanoparticles for thin-film solar cells. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 447	5	6
95	Porous Titanium Implant and Micro-CT Based Characterization of Sub-Surface Morphology <b>2013</b> , 1579-1586		
94	Tooth eruption results from bone remodelling driven by bite forces sensed by soft tissue dental follicles: a finite element analysis. <i>PLoS ONE</i> , <b>2013</b> , 8, e58803	3.7	37

93	Porous Titanium Implant and Micro-CT Based Characterization of Sub-Surface Morphology <b>2013</b> , 1579-1586		
92	Sensitivity analysis of bi-layered ceramic dental restorations. <i>Dental Materials</i> , <b>2012</b> , 28, e6-14	5.7	26
91	Optimization of foam-filled bitubal structures for crashworthiness criteria. <i>Materials &amp; Design</i> , <b>2012</b> , 38, 99-109		142
90	Structural and functional characterization of neuraminidase-like molecule N10 derived from bat influenza A virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 18897-902	11.5	91
89	Finite element analysis suggests functional bone strain accounts for continuous post-eruptive emergence of teeth. <i>Archives of Oral Biology</i> , <b>2012</b> , 57, 1070-8	2.8	14
88	A comparative mechanical and bone remodelling study of all-ceramic posterior inlay and onlay fixed partial dentures. <i>Journal of Dentistry</i> , <b>2012</b> , 40, 48-56	4.8	38
87	In vitro study of the effect of cyclic strains on the dermal fibroblast (GM3384) morphology--mapping of cell responses to strain field. <i>Medical Engineering and Physics</i> , <b>2012</b> , 34, 826-31	2.4	10
86	Variable fidelity design based surrogate and artificial bee colony algorithm for sheet metal forming process. <i>Finite Elements in Analysis and Design</i> , <b>2012</b> , 59, 76-90	2.2	48
85	Directed glia-assisted angiogenesis in a mature neurosensory structure: pericytes mediate an adaptive response in human dental pulp that maintains blood-barrier function. <i>Journal of Comparative Neurology</i> , <b>2012</b> , 520, 3803-26	3.4	18
84	Directed glia-assisted angiogenesis in a mature neurosensory structure: Pericytes mediate an adaptive response in human dental pulp that maintains blood-barrier function. <i>Journal of Comparative Neurology</i> , <b>2012</b> , 520, Spc1-Spc1	3.4	
83	Cuttlebone: Characterisation, application and development of biomimetic materials. <i>Journal of Bionic Engineering</i> , <b>2012</b> , 9, 367-376	2.7	43
82	Design and fabrication of biphasic cellular materials with transport properties [A modified bidirectional evolutionary structural optimization procedure and MATLAB program. <i>International Journal of Heat and Mass Transfer</i> , <b>2012</b> , 55, 8149-8162	4.9	20
81	Incorporating vascular structure into electric volume conduction models of the cochlea <b>2012</b> ,		4
80	Multi-fidelity optimization for sheet metal forming process. <i>Structural and Multidisciplinary Optimization</i> , <b>2011</b> , 44, 111-124	3.6	46
79	Crashworthiness design of vehicle by using multiobjective robust optimization. <i>Structural and Multidisciplinary Optimization</i> , <b>2011</b> , 44, 99-110	3.6	152
78	Finite element based bone remodeling and resonance frequency analysis for osseointegration assessment of dental implants. <i>Finite Elements in Analysis and Design</i> , <b>2011</b> , 47, 898-905	2.2	21
77	Topology optimization for negative permeability metamaterials using level-set algorithm. <i>Acta Materialia</i> , <b>2011</b> , 59, 2624-2636	8.4	66
76	Radial basis functional model for multi-objective sheet metal forming optimization. <i>Engineering Optimization</i> , <b>2011</b> , 43, 1351-1366	2	67

75	Mathematical modeling of degradation for bulk-erosive polymers: applications in tissue engineering scaffolds and drug delivery systems. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 1140-9	10.8	102
74	Microstructure design of biodegradable scaffold and its effect on tissue regeneration. <i>Biomaterials</i> , <b>2011</b> , 32, 5003-14	15.6	109
73	On twist springback in advanced high-strength steels. <i>Materials &amp; Design</i> , <b>2011</b> , 32, 3272-3279		36
72	Multiobjective optimization for tapered circular tubes. <i>Thin-Walled Structures</i> , <b>2011</b> , 49, 855-863	4.7	101
71	Computational Fracture Modelling in Bioceramic Structures. <i>Advanced Materials Research</i> , <b>2011</b> , 268-270, 853-856	0.5	5
70	Computer-Aided Design and Fabrication of Bio-Mimetic Materials and Scaffold Micro-Structures. <i>Advanced Materials Research</i> , <b>2011</b> , 213, 628-632	0.5	9
69	Design optimization of scaffold microstructures using wall shear stress criterion towards regulated flow-induced erosion. <i>Journal of Biomechanical Engineering</i> , <b>2011</b> , 133, 081008	2.1	17
68	Identification of Material Parameters for High Strength Steel Under Impact Loading. <i>Advanced Science Letters</i> , <b>2011</b> , 4, 708-714	0.1	13
67	Finite Element Modeling of Current Flow from Cochlear Implant Stimulation <b>2011</b> ,		2
66	Effects of occlusal inclination and loading on mandibular bone remodeling: a finite element study. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2011</b> , 26, 527-37	2.8	26
65	Sensitivity analysis for electromagnetic topology optimization problems. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2010</b> , 10, 012199	0.4	1
64	Residual Stresses in Fabrication of Core-Veneered Ceramic Prostheses. <i>Advanced Materials Research</i> , <b>2010</b> , 97-101, 2241-2244	0.5	17
63	Assessing the Effects of Natural Variations in Microstructure for the Biomimetic Modeling of Cuttlebone. <i>Advanced Materials Research</i> , <b>2010</b> , 123-125, 295-298	0.5	3
62	Creating Biomaterials Inspired by the Microstructure of Cuttlebone. <i>Materials Science Forum</i> , <b>2010</b> , 654-656, 2229-2232	0.4	4
61	Biomechanical Response in Mandibular Bone due to Mastication Loading on 3-Unit Fixed Partial Dentures. <i>Journal of Dental Biomechanics</i> , <b>2010</b> , 2010, 902537		12
60	A level-set procedure for the design of electromagnetic metamaterials. <i>Optics Express</i> , <b>2010</b> , 18, 6693-7023		60
59	The role of oxidized low-density lipoprotein in breaking peripheral Th17/Treg balance in patients with acute coronary syndrome. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 394, 836-42	3.4	44
58	A two-stage multi-fidelity optimization procedure for honeycomb-type cellular materials. <i>Computational Materials Science</i> , <b>2010</b> , 49, 500-511	3.2	115

57	Surface morphology optimization for osseointegration of coated implants. <i>Biomaterials</i> , <b>2010</b> , 31, 7196-2046	2.4	83
56	Multiobjective robust optimization method for drawbead design in sheet metal forming. <i>Materials &amp; Design</i> , <b>2010</b> , 31, 1917-1929		100
55	Bone remodeling induced by dental implants of functionally graded materials. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2010</b> , 92, 430-8	3.5	18
54	Computational biomechanics of bone's responses to dental prostheses [osseointegration, remodeling and resorption]. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2010</b> , 10, 012122	0.4	3
53	Crashworthiness design for functionally graded foam-filled thin-walled structures. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2010</b> , 527, 1911-1919	5.3	218
52	Characterization of cuttlebone for a biomimetic design of cellular structures. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2010</b> , 26, 27-35	2	26
51	Design of 3-D Periodic Metamaterials for Electromagnetic Properties. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 910-916	4.1	13
50	Design of cellular porous biomaterials for wall shear stress criterion. <i>Biotechnology and Bioengineering</i> , <b>2010</b> , 107, 737-46	4.9	12
49	Mandibular bone remodeling induced by dental implant. <i>Journal of Biomechanics</i> , <b>2010</b> , 43, 287-93	2.9	102
48	Prediction of mandibular bone remodelling induced by fixed partial dentures. <i>Journal of Biomechanics</i> , <b>2010</b> , 43, 1771-9	2.9	58
47	On stiffness of scaffolds for bone tissue engineering-a numerical study. <i>Journal of Biomechanics</i> , <b>2010</b> , 43, 1738-44	2.9	67
46	Level-set based topology optimization for electromagnetic dipole antenna design. <i>Journal of Computational Physics</i> , <b>2010</b> , 229, 6915-6930	4.1	66
45	Multiobjective topology optimization for finite periodic structures. <i>Computers and Structures</i> , <b>2010</b> , 88, 806-811	4.5	72
44	Monitoring natural frequency for osseointegration and bone remodeling induced by dental implants <b>2009</b> ,		2
43	COMPUTATIONAL DESIGN FOR MULTIFUNCTIONAL MICROSTRUCTURAL COMPOSITES. <i>International Journal of Modern Physics B</i> , <b>2009</b> , 23, 1345-1351	1.1	35
42	Multiscale Bone Remodeling Prediction for Fully Porous-Coated (FPC) Dental Implant Supported Prosthesis. <i>Advanced Materials Research</i> , <b>2009</b> , 79-82, 2167-2170	0.5	1
41	Crashworthiness design for foam filled thin-wall structures. <i>Materials &amp; Design</i> , <b>2009</b> , 30, 2024-2032		154
40	Dental implant induced bone remodeling and associated algorithms. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2009</b> , 2, 410-32	4.1	107

39	Design optimization of functionally graded dental implant for bone remodeling. <i>Composites Part B: Engineering</i> , <b>2009</b> , 40, 668-675	10	86
38	Mechanical responses to orthodontic loading: a 3-dimensional finite element multi-tooth model. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2009</b> , 135, 174-81	2.1	106
37	Influence of tooth removal on mandibular bone response to mastication. <i>Archives of Oral Biology</i> , <b>2008</b> , 53, 1129-37	2.8	24
36	Microstructural design of connective base cells for functionally graded materials. <i>Materials Letters</i> , <b>2008</b> , 62, 4022-4024	3.3	23
35	A two-stage multi-objective optimisation of vehicle crashworthiness under frontal impact. <i>International Journal of Crashworthiness</i> , <b>2008</b> , 13, 279-288	1	93
34	Computational design of multi-phase microstructural materials for extremal conductivity. <i>Computational Materials Science</i> , <b>2008</b> , 43, 549-564	3.2	44
33	Computational Design of Microstructural Composites with Tailored Thermal Conductivity. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2008</b> , 54, 686-708	2.3	19
32	Functionally Graded Dental Implant and its Effect on Bone Remodeling. <i>Advanced Materials Research</i> , <b>2008</b> , 47-50, 1035-1038	0.5	5
31	Effect of Fully Porous-Coated (FPC) Technique on Osseointegration of Dental Implants. <i>Advanced Materials Research</i> , <b>2008</b> , 32, 189-192	0.5	2
30	A microstructure diagram for known bounds in conductivity. <i>Journal of Materials Research</i> , <b>2008</b> , 23, 798-811	2.5	18
29	Effect of Particle Size of Fully Porous-Coated (FPC) Implants on Osseointegration. <i>Advanced Materials Research</i> , <b>2008</b> , 47-50, 916-919	0.5	2
28	Design of Periodic Microstructural Materials by Using Evolutionary Structural Optimization Method. <i>Advanced Materials Research</i> , <b>2008</b> , 32, 279-283	0.5	3
27	Design of graded two-phase microstructures for tailored elasticity gradients. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 5157-5167	4.3	100
26	Multiobjective optimization for crash safety design of vehicles using stepwise regression model. <i>Structural and Multidisciplinary Optimization</i> , <b>2008</b> , 35, 561-569	3.6	212
25	A fixed-grid bidirectional evolutionary structural optimization method and its applications in tunnelling engineering. <i>International Journal for Numerical Methods in Engineering</i> , <b>2008</b> , 73, 1788-1810	2.4	18
24	A variational level set method for the topology optimization of steady-state Navier-Stokes flow. <i>Journal of Computational Physics</i> , <b>2008</b> , 227, 10178-10195	4.1	146
23	Multiobjective optimization of multi-cell sections for the crashworthiness design. <i>International Journal of Impact Engineering</i> , <b>2008</b> , 35, 1355-1367	4	189
22	Topological design of structures and composite materials with multiobjectives. <i>International Journal of Solids and Structures</i> , <b>2007</b> , 44, 7092-7109	3.1	117

21	Design optimization of regular hexagonal thin-walled columns with crashworthiness criteria. <i>Finite Elements in Analysis and Design</i> , <b>2007</b> , 43, 555-565	2.2	202
20	The relation of constant mean curvature surfaces to multiphase composites with extremal thermal conductivity. <i>Journal Physics D: Applied Physics</i> , <b>2007</b> , 40, 6083-6093	3	30
19	Numerical Simulation of Crack Formation in All Ceramic Dental Bridge. <i>Key Engineering Materials</i> , <b>2006</b> , 312, 293-298	0.4	12
18	Contact-Driven Crack Formation in Dental Ceramic Materials. <i>Key Engineering Materials</i> , <b>2006</b> , 324-325, 1257-1260	0.4	3
17	A strength-based multiple cutout optimization in composite plates using fixed grid finite element method. <i>Composite Structures</i> , <b>2006</b> , 73, 403-412	5.3	26
16	An evolutionary shape optimization for elastic contact problems subject to multiple load cases. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2005</b> , 194, 3394-3415	5.7	31
15	Towards automated 3D finite element modeling of direct fiber reinforced composite dental bridge. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2005</b> , 74, 520-8	3.5	50
14	Evolutionary topology optimization for temperature reduction of heat conducting fields. <i>International Journal of Heat and Mass Transfer</i> , <b>2004</b> , 47, 5071-5083	4.9	117
13	A continuum sensitivity method for the design of multi-stage metal forming processes. <i>International Journal of Mechanical Sciences</i> , <b>2003</b> , 45, 325-358	5.5	34
12	An evolutionary approach to elastic contact optimization of frame structures. <i>Finite Elements in Analysis and Design</i> , <b>2003</b> , 40, 61-81	2.2	18
11	Discrete sensitivity-based evolutionary design optimization <b>2003</b> , 2373-2377		
10	Evolutionary thickness design with stiffness maximization and stress minimization criteria. <i>International Journal for Numerical Methods in Engineering</i> , <b>2001</b> , 52, 979-995	2.4	10
9	Stress based optimization of torsional shafts using an evolutionary procedure. <i>International Journal of Solids and Structures</i> , <b>2001</b> , 38, 5661-5677	3.1	11
8	Evolutionary structural optimization for connection topology design of multi-component systems. <i>Engineering Computations</i> , <b>2001</b> , 18, 460-479	1.4	42
7	Structural topology design with multiple thermal criteria. <i>Engineering Computations</i> , <b>2000</b> , 17, 715-734	1.4	41
6	Evolutionary structural optimization for stress minimization problems by discrete thickness design. <i>Computers and Structures</i> , <b>2000</b> , 78, 769-780	4.5	31
5	Displacement minimization of thermoelastic structures by evolutionary thickness design. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1999</b> , 179, 361-378	5.7	62
4	Evolutionary shape optimization for stress minimization. <i>Mechanics Research Communications</i> , <b>1999</b> , 26, 657-664	2.2	19



- |   |   |     |     |
|---|---|-----|-----|
| 3 | Shape and topology design for heat conduction by Evolutionary Structural Optimization. <i>International Journal of Heat and Mass Transfer</i> , <b>1999</b> , 42, 3361-3371 | 4.9 | 145 |
| 2 | Optimization of thin shell structures subjected to thermal loading. <i>Structural Engineering and Mechanics</i> , <b>1999</b> , 7, 401-412                                  |     | 9   |
| 1 | Topology Design of Structures Subjected to Thermal Loading by Evolutionary Optimization Procedure <b>1997</b> ,   |     | 5   |