

Vassilios Kostopoulos

List of Publications by Year in descending order

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137
papers

3,417
citations

147801

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168389

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docs citations

139
times ranked

3016
citing authors

#	ARTICLE	IF	CITATIONS
1	Low- and high-fidelity modeling of sandwich-structured composite response to bird strike, as tools for a digital-twin-assisted damage diagnosis. <i>International Journal of Impact Engineering</i> , 2022, 160, 104058.	5.0	26
2	Design of a Low-Cost Air Bearing Testbed for Nano CMG Maneuvers. <i>Aerospace</i> , 2022, 9, 95.	2.2	7
3	EuroDRONE, a European Unmanned Traffic Management Testbed for U-Space. <i>Drones</i> , 2022, 6, 53.	4.9	10
4	A Machine Learning Approach for Global Steering Control Moment Gyroscope Clusters. <i>Aerospace</i> , 2022, 9, 164.	2.2	4
5	Toughening and Healing of CFRPs by Diels-Alder-Based Nano-Modified Resin through Melt Electro-Writing Process Technique. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3663.	4.1	2
6	Primary MSCs for Personalized Medicine: Ethical Challenges, Isolation and Biocompatibility Evaluation of 3D Electrospun and Printed Scaffolds. <i>Biomedicines</i> , 2022, 10, 1563.	3.2	7
7	A multi-stage material model calibration procedure for enhancing numerical solution fidelity in the case of impact loading of composites. <i>Journal of Composite Materials</i> , 2021, 55, 39-56.	2.4	4
8	Low velocity impact response and post impact assessment of carbon fiber/epoxy composites modified with Diels-Alder based healing agent. A novel approach. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 140, 106151.	7.6	18
9	Gradient 3D Printed PLA Scaffolds on Biomedical Titanium: Mechanical Evaluation and Biocompatibility. <i>Polymers</i> , 2021, 13, 682.	4.5	12
10	Effects of graphene geometrical characteristics to the interlaminar fracture toughness of CFRP laminates. <i>Engineering Fracture Mechanics</i> , 2021, 245, 107584.	4.3	19
11	Toughening and Healing of CFRPs by Electrospun Diels-Alder Based Polymers Modified with Carbon Nano-Fillers. <i>Journal of Composites Science</i> , 2021, 5, 242.	3.0	5
12	A Gimballed Control Moment Gyroscope Cluster Design for Spacecraft Attitude Control. <i>Aerospace</i> , 2021, 8, 273.	2.2	3
13	Design by analysis of a multi-layer fabric reinforcement of jet engine containment for fragments mitigation. <i>Composite Structures</i> , 2021, 275, 114390.	5.8	3
14	On the Multi-Functional Behavior of Graphene-Based Nano-Reinforced Polymers. <i>Materials</i> , 2021, 14, 5828.	2.9	3
15	Multi-Fidelity Optimization of a Composite Airliner Wing Subject to Structural and Aeroelastic Constraints. <i>Aerospace</i> , 2021, 8, 398.	2.2	6
16	Evaluating experimentally and numerically different scarf-repair methodologies of composite structures. <i>International Journal of Adhesion and Adhesives</i> , 2020, 97, 102495.	2.9	22
17	Effect of water aging on the mechanical properties of flax fiber/bio-based resin composites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48787.	2.6	13
18	Self-healing of structural composites containing common thermoplastics enabled or not by nanotechnology as healing agent. , 2020, , 327-374.		3

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19	Mechanical Properties Assessment of Low-Content Capsule-Based Self-Healing Structural Composites. Applied Sciences (Switzerland), 2020, 10, 5739.	2.5	9
20	Fabrication and Characterization of Polylactic Acid Electrospun Scaffolds Modified with Multi-Walled Carbon Nanotubes and Hydroxyapatite Nanoparticles. Biomimetics, 2020, 5, 43.	3.3	11
21	Review of Through-the-Thickness Reinforced z-Pinned Composites. Journal of Composites Science, 2020, 4, 31.	3.0	23
22	Fabrication and Characterization of Polyetherimide Electrospun Scaffolds Modified with Graphene Nano-Platelets and Hydroxyapatite Nano-Particles. International Journal of Molecular Sciences, 2020, 21, 583.	4.1	13
23	Valorization of FGD and Bauxite Residue in Sulfoaluminates Cement Production. Waste and Biomass Valorization, 2020, 11, 5445-5456.	3.4	3
24	A Preliminary Study of the Influence of Graphene Nanoplatelet Specific Surface Area on the Interlaminar Fracture Properties of Carbon Fiber/Epoxy Composites. Polymers, 2020, 12, 3060.	4.5	10
25	On the Use of Infrared Thermography and Acousto-Ultrasonics NDT Techniques for Ceramic-Coated Sandwich Structures. Energies, 2019, 12, 2537.	3.1	9
26	An Encapsulated Energy Harvesting Platform for On-road Low Power Sensing Systems. , 2019, , .		1
27	Hybrid graphene nanoplatelet/manganese oxide electrodes for solid-state supercapacitors and application to carbon fiber composite multifunctional materials. Journal of Energy Storage, 2019, 23, 515-525.	8.1	19
28	Graphene Nanoplatelet- and Hydroxyapatite-Doped Supramolecular Electrospun Fibers as Potential Materials for Tissue Engineering and Cell Culture. International Journal of Molecular Sciences, 2019, 20, 1674.	4.1	9
29	Combined Optimized Effect of a Highly Self-Organized Nanosubstrate and an Electric Field on Osteoblast Bone Cells Activity. BioMed Research International, 2019, 2019, 1-8.	1.9	9
30	Assessing the Damage Tolerance of Out of Autoclave Manufactured Carbon Fibre Reinforced Polymers Modified with Multi-Walled Carbon Nanotubes. Materials, 2019, 12, 1080.	2.9	12
31	Behavior of photopolymer fiber structures in microgravity. SN Applied Sciences, 2019, 1, 1.	2.9	5
32	Fatigue behaviour of open-hole carbon fibre/epoxy composites containing bis-maleimide based polymer blend interleaves as self-healing agent. Composites Science and Technology, 2019, 171, 86-93.	7.8	28
33	A statistical optimization of a green laser-assisted ablation process towards automatic bonded repairs of CFRP composites. Polymer Composites, 2019, 40, 3084-3100.	4.6	6
34	Thermal Ageing of Carbon Fiber-Reinforced Cyanate Ester Composites Under Inert and Oxidative Environment. Polymer Composites, 2019, 40, E1388.	4.6	3
35	Healing of carbon fiber reinforced plastics by Diels-Alder based polymers: Effects of healing agent concentration and curing cycle. Journal of Applied Polymer Science, 2019, 136, 47478.	2.6	16
36	Hypervelocity impact response of CFRP laminates using smoothed particle hydrodynamics method: Implementation and validation. International Journal of Impact Engineering, 2019, 123, 56-69.	5.0	25

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37	Toughening and healing of composites by CNTs reinforced copolymer nylon micro-particles. <i>Materials Research Express</i> , 2018, 5, 025305.	1.6	13
38	A comparative study between epoxy/Titania and nanoparticulate composites thermal and mechanical behavior by means of particle-matrix interphase considerations. <i>Polymer Engineering and Science</i> , 2018, 58, 1146-1154.	3.1	11
39	Self-healing of Structural Composites Containing Dendrimers as Healing Agent. , 2018, , .		1
40	Design, Analysis, Optimization, Manufacturing, and Testing of a 2U Cubesat. <i>International Journal of Aerospace Engineering</i> , 2018, 2018, 1-15.	0.9	25
41	On fabric materials response subjected to ballistic impact using meso-scale modeling. Numerical simulation and experimental validation. <i>Composite Structures</i> , 2018, 204, 745-754.	5.8	24
42	Implementation and calibration of meso-scale modeling technique for simulation of tensile behavior of fabric materials. <i>Composites Part B: Engineering</i> , 2017, 119, 1-9.	12.0	12
43	Synergy effect of carbon nano-fillers on the fracture toughness of structural composites. <i>Composites Part B: Engineering</i> , 2017, 129, 18-25.	12.0	70
44	A critical review of nanotechnologies for composite aerospace structures. <i>CEAS Space Journal</i> , 2017, 9, 35-57.	2.3	36
45	Thermal Conductivity of Carbon Nanoreinforced Epoxy Composites. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-12.	2.7	36
46	Toughening and healing of continuous fibre reinforced composites by supramolecular polymers. <i>Composites Science and Technology</i> , 2016, 128, 84-93.	7.8	43
47	Toughening and healing of continuous fibre reinforced composites with bis-maleimide based pre-pregs. <i>Smart Materials and Structures</i> , 2016, 25, 084011.	3.5	20
48	Strategies on implementing a potential self-healing functionality in a composite structure. <i>Ciência & Tecnologia Dos Materiais</i> , 2016, 28, 147-154.	0.5	4
49	The Effect of CNT-modified matrix of cyanate ester CFRPs on the hydrothermal behavior of the material. Evaluation of the water uptake using electrical resistance measurements. <i>Polymer Composites</i> , 2016, 37, 1072-1077.	4.6	0
50	A three-dimensional progressive damage FE model for GFRP composites under monotonic loading. <i>Composites Science and Technology</i> , 2016, 123, 79-91.	7.8	16
51	Multi-scale-Reinforced Prepregs for the Improvement of Damage Tolerance and Electrical Properties of Aeronautical Structures. , 2016, , 791-801.		0
52	Mode II fracture toughening and healing of composites using supramolecular polymer interlayers. <i>EXPRESS Polymer Letters</i> , 2016, 10, 914-926.	2.1	29
53	Multifunctional carbon nanotube-based nano-composites for aerospace applications. , 2015, , 448-490.		3
54	The effect of thermo-oxidative aging on carbon fiber reinforced cyanate ester composites. <i>Journal of Composite Materials</i> , 2015, 49, 3241-3250.	2.4	15

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55	Exploiting carbon nanotube networks for damage assessment of fiber reinforced composites. Composites Part B: Engineering, 2015, 76, 149-158.	12.0	62
56	Fire response of polymers and polymer composites. Part A: multistage degradation kinetics. Journal of Composite Materials, 2015, 49, 251-257.	2.4	3
57	Electrical resistivity prediction of dry carbon fiber media as a function of thickness and fiber volume fraction combining empirical and analytical formulas. Composites Part B: Engineering, 2015, 81, 26-34.	12.0	8
58	Degradation behavior of glass fiber reinforced cyanate ester composites under hydrothermal ageing. Polymer Degradation and Stability, 2015, 121, 200-207.	5.8	31
59	On the interlaminar fracture toughness of carbon fiber composites enhanced with graphene nano-species. Composites Science and Technology, 2015, 118, 217-225.	7.8	74
60	Reliability of strain monitoring of composite structures via the use of optical fiber ribbon tapes for structural health monitoring purposes. Composite Structures, 2015, 134, 762-771.	5.8	32
61	Effect of CNT modified matrix of epoxy CFRPs on hydrothermal behaviour of material. Evaluation of water uptake using electrical resistance measurements. Plastics, Rubber and Composites, 2014, 43, 122-129.	2.0	4
62	A comprehensive study on the equivalent electrical conductivity tensor validity for thin multidirectional carbon fibre reinforced plastics. Composites Part B: Engineering, 2014, 67, 244-255.	12.0	16
63	Prediction of the effective thermal conductivity of carbon nanotube reinforced polymer systems. Polymer Composites, 2014, 35, 1997-2009.	4.6	17
64	Electrical methods for structural health monitoring of composite (Aero) structures. , 2014, , 289-296.		0
65	Experimental modal analysis and dynamic strain fiber Bragg gratings for structural health monitoring of composite antenna sub-reflector. CEAS Space Journal, 2013, 5, 57-73.	2.3	9
66	Manufacturing, characterization and thermal conductivity of epoxy and benzoxazine multi-walled carbon nanotube buckypaper composites. Journal of Composite Materials, 2013, 47, 1705-1715.	2.4	14
67	Temperature uniformity analysis and development of open lightweight composite molds using carbon fibers as heating elements. Composites Part B: Engineering, 2013, 50, 279-289.	12.0	36
68	On the Use of Electrical Conductivity for the Assessment of Damage in Carbon Nanotubes Enhanced Aerospace Composites. Solid Mechanics and Its Applications, 2013, , 21-55.	0.2	7
69	Carbon Nanotubes for Novel Hybrid Structural Composites with Enhanced Damage Tolerance and Self-Sensing/Actuating Abilities. Solid Mechanics and Its Applications, 2013, , 1-20.	0.2	4
70	Sensing strain and damage in polyurethane/MWCNT nano-composite foams using electrical measurements. EXPRESS Polymer Letters, 2013, 7, 40-54.	2.1	43
71	Microwave curing of epoxy polymers reinforced with carbon nanotubes. Journal of Applied Polymer Science, 2013, 129, 2754-2764.	2.6	24
72	Damage identification in carbon fiber reinforced polymer plates using electrical resistance tomography mapping. Journal of Composite Materials, 2013, 47, 3285-3301.	2.4	65

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73	Numerical investigation and experimental verification of the Joule heating effect of polyacrylonitrile-based carbon fiber tows under high vacuum conditions. <i>Journal of Composite Materials</i> , 2012, 46, 2153-2165.	2.4	24
74	Damage detection via Joule effect for multidirectional carbon fiber reinforced composites. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	16
75	Scalar Scattering by Two Small, Non-Concentric Penetrable Spheres. <i>Mechanics of Advanced Materials and Structures</i> , 2012, 19, 309-322.	2.6	0
76	Health Monitoring of Aerospace Structures Using Fibre Bragg Gratings Combined with Advanced Signal Processing and Pattern Recognition Techniques. <i>Strain</i> , 2012, 48, 267-277.	2.4	24
77	Resistive heating of multidirectional and unidirectional dry carbon fibre preforms. <i>Composites Science and Technology</i> , 2012, 72, 1273-1282.	7.8	45
78	Electrical conductivity of polyurethane/MWCNT nanocomposite foams. <i>Polymer Composites</i> , 2012, 33, 1302-1312.	4.6	75
79	Fire Burnthrough Response of CFRP Aerostructures. Numerical Investigation and Experimental Verification. <i>Applied Composite Materials</i> , 2012, 19, 141-159.	2.5	16
80	Intelligent health monitoring of aerospace composite structures based on dynamic strain measurements. <i>Expert Systems With Applications</i> , 2012, 39, 8412-8422.	7.6	84
81	Interlaminar Fracture Toughness of Carbon Fibre Reinforced Polymer Laminates With Nano and Micro Fillers. <i>Strain</i> , 2011, 47, e269.	2.4	21
82	On the Bearing Failure of Laminated Composite Pin Loaded Joints: Exploitation of Semi-Analytical Solutions for the Determination of the Stress State. <i>Strain</i> , 2011, 47, 320-332.	2.4	2
83	The combined use of vibration, acoustic emission and oil debris on-line monitoring towards a more effective condition monitoring of rotating machinery. <i>Mechanical Systems and Signal Processing</i> , 2011, 25, 1339-1352.	8.0	167
84	Dynamic fiber Bragg gratings based health monitoring system of composite aerospace structures. <i>Acta Astronautica</i> , 2011, 69, 445-457.	3.2	77
85	Nanocrystalline Mg MAX composites: Mechanical behavior characterization via acoustic emission monitoring. <i>Acta Materialia</i> , 2011, 59, 5716-5727.	7.9	46
86	Prediction and experimental validation of the electrical conductivity of dry carbon fiber unidirectional layers. <i>Composites Part B: Engineering</i> , 2011, 42, 1578-1587.	12.0	51
87	On the fatigue life prediction of CFRP laminates using the Electrical Resistance Change method. <i>Composites Science and Technology</i> , 2011, 71, 630-642.	7.8	107
88	Investigation of blast response of GLARE laminates: comparison against experimental results. <i>Plastics, Rubber and Composites</i> , 2011, 40, 349-355.	2.0	5
89	Condition Monitoring of Gears and Advanced Signal Processing Techniques towards More Effective Diagnostic Schemes. <i>Noise and Vibration Worldwide</i> , 2010, 41, 10-18.	1.0	3
90	Impact and after-impact properties of carbon fibre reinforced composites enhanced with multi-wall carbon nanotubes. <i>Composites Science and Technology</i> , 2010, 70, 553-563.	7.8	225

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91	DC and AC conductivity in epoxy resin/multiwall carbon nanotubes percolative system. Polymer Composites, 2010, 31, 1874-1880.	4.6	53
92	REFLECTION OF THERMOELASTIC PLANE WAVES IN ANISOTROPIC THERMOELASTIC MEDIUM. , 2010, , .		0
93	LOW FREQUENCY SCATTERING BY A SOFT ACOUSTIC SPHERE EMBEDDED INTO AN ACOUSTICALLY LOSSLESS HALF SPACE. , 2010, , .		0
94	Damage Monitoring of Carbon Fiber Reinforced Laminates Using Resistance Measurements. Improving Sensitivity Using Carbon Nanotube Doped Epoxy Matrix System. Journal of Intelligent Material Systems and Structures, 2009, 20, 1025-1034.	2.5	77
95	<i>In situ</i> damage monitoring of cross-ply laminates using acoustic emission. Plastics, Rubber and Composites, 2009, 38, 229-234.	2.0	22
96	Multistage fatigue life monitoring on carbon fibre reinforced polymers enhanced with multiwall carbon nanotubes. Plastics, Rubber and Composites, 2009, 38, 124-130.	2.0	36
97	Low frequency scattering by a penetrable body with an eccentric soft or hard core. Mathematical Methods in the Applied Sciences, 2009, 32, 1844-1877.	2.3	0
98	Environmental degradation of carbon nanotube-modified composite laminates: a study of electrical resistivity. Mechanics of Composite Materials, 2009, 45, 21-32.	1.4	38
99	Fatigue damage monitoring in carbon fiber reinforced polymers using the acousto-ultrasonics technique. Polymer Composites, 2009, 31, NA-NA.	4.6	1
100	Health monitoring of carbon/carbon, woven reinforced composites: Damage assessment by using advanced signal processing techniques. Part II: Acousto-ultrasonics monitoring of damage development. Composites Science and Technology, 2009, 69, 273-283.	7.8	15
101	Condition monitoring of a single-stage gearbox with artificially induced gear cracks utilizing on-line vibration and acoustic emission measurements. Applied Acoustics, 2009, 70, 1148-1159.	3.3	123
102	Enhanced Fracture Properties of Carbon Reinforced Composites by the Addition of Multi-Wall Carbon Nanotubes. Journal of Composite Materials, 2009, 43, 977-985.	2.4	191
103	Multifunctional properties of multi-wall carbon nanotubes/cyanate-ester nanocomposites and CFRPs. Proceedings of SPIE, 2009, , .	0.8	2
104	Wavelet Analysis of Head Acceleration Response Under Dirac Excitation for Early Oedema Detection. Journal of Biomechanical Engineering, 2008, 130, 021017.	1.3	5
105	A Novel Approach for Continuous Acoustic Emission Monitoring on Rotating Machinery Without the Use of Slip Ring. Journal of Vibration and Acoustics, Transactions of the ASME, 2008, 130, .	1.6	9
106	Multi-Wall Carbon Nanotubes Chemically Grafted and Physically Adsorbed on Reinforcing Carbon Fibres. Advanced Composites Letters, 2008, 17, 096369350801700.	1.3	12
107	Damage Detection during Fatigue Loading of CNF Doped CFRPs via Resistance Measurements and AE. Solid State Phenomena, 2007, 121-123, 1399-1402.	0.3	8
108	Enhancement of the mechanical performance of an epoxy resin and fiber reinforced epoxy resin composites by the introduction of CNF and PZT particles at the microscale. Composites Part A: Applied Science and Manufacturing, 2007, 38, 1076-1081.	7.6	48

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109	On the improvement of toughness of CFRPs with resin doped with CNF and PZT particles. Composites Part A: Applied Science and Manufacturing, 2007, 38, 1159-1162.	7.6	63
110	Nano-modified CFRPs as a novel material for the manufacturing of high efficient antennas. , 2007, , .		1
111	Fracture behavior and damage mechanisms identification of SiC/glass ceramic composites using AE monitoring. Composites Science and Technology, 2007, 67, 1740-1746.	7.8	40
112	Mode I interlaminar fracture of CNF or/and PZT doped CFRPs via acoustic emission monitoring. Composites Science and Technology, 2007, 67, 822-828.	7.8	57
113	Anisotropic damage of alumina/alumina CFCCs under long term high temperature exposure: Investigations by ultrasonic stiffness measurements and quasi-static tests. Composites Science and Technology, 2006, 66, 3221-3229.	7.8	5
114	Damage evolution in center-holed glass/polyester composites under quasi-static loading using time/frequency analysis of acoustic emission monitored waveforms. Composites Science and Technology, 2006, 66, 1366-1375.	7.8	87
115	A new method for the early diagnosis of brain edema/brain swelling. An experimental study in rabbits. Journal of Biomechanics, 2006, 39, 2958-2965.	2.1	3
116	A DETAILED MATHEMATICAL MODEL OF DIFFUSED BRAIN EDEMA EARLY DETECTION. , 2006, , .		0
117	Intrinsic parameters in the fracture of carbon/carbon composites. Composites Science and Technology, 2005, 65, 883-897.	7.8	19
118	Damage Modelling and Simulation of Composite Materials using Ultrasonic Measurements. Advanced Composites Letters, 2005, 14, 096369350501400.	1.3	0
119	Structural Analysis of ESA Young Engineers Satelli.... , 2005, , .		0
120	On the Young's Modulus Measurements of Ceramic and Carbon Fibres using Elastic Wave Propagation Techniques. Comparison against Quasi-Static Tensile Tests. Advanced Composites Letters, 2004, 13, 096369350401300.	1.3	1
121	Viscoelastic properties of cartilage-subchondral bone complex in osteoarthritis. Journal of Medical Engineering and Technology, 2004, 28, 223-226.	1.4	14
122	Damage mode analysis of MCrAlY overlay coatings subjected to isothermal stepwise tensile testing by using in situ video imaging and acoustic emission monitoring. Fatigue and Fracture of Engineering Materials and Structures, 2004, 27, 219-230.	3.4	1
123	A simple model for the prediction of the fatigue delamination growth of impacted composite panels. Fatigue and Fracture of Engineering Materials and Structures, 2004, 27, 911-922.	3.4	14
124	A new method for the determination of viscoelastic properties of composite laminates: a mixed analytical/experimental approach. Composites Science and Technology, 2003, 63, 1441-1452.	7.8	27
125	On the identification of the failure mechanisms in oxide/oxide composites using acoustic emission. NDT and E International, 2003, 36, 571-580.	3.7	90
126	On the Low Velocity Impact Response of Laminated Composite Plates using the P-Version Ritz Method. Advanced Composites Letters, 2003, 12, 096369350301200.	1.3	2

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127	A New Design Methodology for High Temperature Structural Components Made of Continuous Fibre Ceramic Composites Exhibiting Thermally Induced Anisotropic Damage. <i>Advanced Composites Letters</i> , 2002, 11, 096369350201100.	1.3	0
128	3-D Modeling of nanoindentation experiment on a coating-substrate system. <i>Computational Mechanics</i> , 2001, 27, 138-144.	4.0	18
129	Toughness characterization and acoustic emission monitoring of a 2-D carbon/carbon composite. <i>Engineering Fracture Mechanics</i> , 2001, 68, 1557-1573.	4.3	32
130	On the Viscoelastic Response of Composite Laminates. <i>Mechanics of Time-Dependent Materials</i> , 2000, 4, 381-405.	4.4	8
131	Brain eigenfrequency shifting as a sensitive index of cerebral compliance in an experimental model of epidural hematoma in the rabbit. <i>Critical Care Medicine</i> , 1999, 27, 978-984.	0.9	8
132	On the sensitivity of the vibrational response of the human head. <i>Computational Mechanics</i> , 1998, 21, 382-388.	4.0	7
133	On the fracture toughness of ceramic matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998, 250, 303-312.	5.6	13
134	Failure mechanisms analysis of 2D carbon/carbon using acoustic emission monitoring. <i>NDT and E International</i> , 1998, 31, 157-163.	3.7	58
135	Fatigue behaviour of 3-d SiC/SiC Composites. <i>Journal of Materials Science</i> , 1997, 32, 215-220.	3.7	18
136	On the dynamic characteristics of the human skull. <i>International Journal of Engineering Science</i> , 1996, 34, 1339-1348.	5.0	13
137	Comparative study of callus performance achieved by rigid and sliding plate osteosynthesis based upon dynamic mechanical analysis. <i>Journal of Medical Engineering and Technology</i> , 1994, 18, 61-66.	1.4	3