Filippo Berto

List of Publications by Citations

624 papers	18,185 citations	66 h-index	110 g-index
656 ext. papers	21,476 ext. citations	3.1 avg, IF	7.78 L-index

#	Paper	IF	Citations
624	Electrospun nanofibers: solving global issues. *Materials Today*, **2006**, 9, 40-50	21.8	1034
623	Recent development of polymer nanofibers for biomedical and biotechnological applications. *Journal of Materials Science: Materials in Medicine*, **2005**, 16, 933-46	4.5	501
622	Material issues in additive manufacturing: A review. *Journal of Manufacturing Processes*, **2017**, 25, 185-200		434
621	A review of the volume-based strain energy density approach applied to V-notches and welded structures. *Theoretical and Applied Fracture Mechanics*, **2009**, 52, 183-194	3.7	366
620	Recent developments in brittle and quasi-brittle failure assessment of engineering materials by means of local approaches. *Materials Science and Engineering Reports*, **2014**, 75, 1-48	30.9	357
619	Electrospun nanofiber fabrication as synthetic extracellular matrix and its potential for vascular tissue engineering. *Tissue Engineering*, **2004**, 10, 1160-8		340
618	Fabrication and endothelialization of collagen-blended biodegradable polymer nanofibers: potential vascular graft for blood vessel tissue engineering. *Tissue Engineering*, **2005**, 11, 1574-88		314
617	Some Expressions for the Strain Energy in a Finite Volume Surrounding the Root of Blunt V-notches. *International Journal of Fracture*, **2005**, 135, 161-185	2.3	259
616	Structure and properties of electrospun PLLA single nanofibres. *Nanotechnology*, **2005**, 16, 208-13	3.4	245
615	Rapid calculations of notch stress intensity factors based on averaged strain energy density from coarse meshes: Theoretical bases and applications. *International Journal of Fatigue*, **2010**, 32, 1559-1567	5	225
614	The theory of critical distances: a review of its applications in fatigue. *Engineering Fracture Mechanics*, **2008**, 75, 1706-1724	4.2	201
613	Tissue engineered plant extracts as nanofibrous wound dressing. *Biomaterials*, **2013**, 34, 724-34	15.6	178
612	Mechanical design and multifunctional applications of chiral mechanical metamaterials: A review. *Materials and Design*, **2019**, 180, 107950	8.1	169
611	Improving the fatigue performance of porous metallic biomaterials produced by Selective Laser Melting. *Acta Biomaterialia*, **2017**, 47, 193-202	10.8	169
610	Local strain energy to assess the static failure of U-notches in plates under mixed mode loading. *International Journal of Fracture*, **2007**, 145, 29-45	2.3	161
609	Some advantages derived from the use of the strain energy density over a control volume in fatigue strength assessments of welded joints. *International Journal of Fatigue*, **2008**, 30, 1345-1357	5	158
608	Local strain energy density and fatigue strength of welded joints under uniaxial and multiaxial loading. *Engineering Fracture Mechanics*, **2008**, 75, 1875-1889	4.2	142

607	Propensities of crack interior initiation and early growth for very-high-cycle fatigue of high strength steels. *International Journal of Fatigue*, **2014**, 58, 144-151	5	135
606	Fracture assessment of U-notches under mixed mode loading: two procedures based on the equivalent local mode I concept. *International Journal of Fracture*, **2007**, 148, 415-433	2.3	133
605	Fatigue strength of severely notched specimens made of Ti6Al4V under multiaxial loading. *Fatigue and Fracture of Engineering Materials and Structures*, **2015**, 38, 503-517	3	129
604	The formation mechanism of characteristic region at crack initiation for very-high-cycle fatigue of high-strength steels. *International Journal of Fatigue*, **2016**, 89, 108-118	5	128
603	Three-dimensional stress states at crack tip induced by shear and anti-plane loading. *Engineering Fracture Mechanics*, **2013**, 108, 65-74	4.2	125
602	Tubular nanofiber scaffolds for tissue engineered small-diameter vascular grafts. *Journal of Biomedical Materials Research - Part A*, **2009**, 90, 205-16	5.4	121
601	Brittle failures from U- and V-notches in mode I and mixed, I + II, mode: a synthesis based on the strain energy density averaged on finite-size volumes. *Fatigue and Fracture of Engineering Materials and Structures*, **2009**, 32, 671-684	3	120
600	Fracture of V-notched specimens under mixed mode (I + II) loading in brittle materials. *International Journal of Fracture*, **2009**, 159, 121-135	2.3	116
599	Multiaxial fatigue of V-notched steel specimens: a non-conventional application of the local energy method. *Fatigue and Fracture of Engineering Materials and Structures*, **2011**, 34, 921-943	3	112
598	Fatigue-relevant stress field parameters of welded lap joints: pointed slit tip compared with keyhole notch. *Fatigue and Fracture of Engineering Materials and Structures*, **2009**, 32, 713-735	3	105
597	Brittle fracture of U-notched graphite plates under mixed mode loading. *Materials & Design*, **2012**, 41, 421-432		104
596	Architected cellular materials: A review on their mechanical properties towards fatigue-tolerant design and fabrication. *Materials Science and Engineering Reports*, **2021**, 144, 100606	30.9	102
595	Biomedical applications of additive manufacturing: Present and future. *Current Opinion in Biomedical Engineering*, **2017**, 2, 105-115	4.4	100
594	A critical distance/plane method to estimate finite life of notched components under variable amplitude uniaxial/multiaxial fatigue loading. *International Journal of Fatigue*, **2012**, 38, 7-24	5	95
593	Brittle failure of inclined key-hole notches in isostatic graphite under in-plane mixed mode loading. *Fatigue and Fracture of Engineering Materials and Structures*, **2013**, 36, 942-955	3	95
592	Generalized probabilistic model allowing for various fatigue damage variables. *International Journal of Fatigue*, **2017**, 100, 187-194	5	93
591	Recent advances in core/shell bicomponent fibers and nanofibers: A review. *Journal of Applied Polymer Science*, **2018**, 135, 46265	2.9	92
590	Fracture of U-notched specimens under mixed mode: Experimental results and numerical predictions. *Engineering Fracture Mechanics*, **2009**, 76, 236-249	4.2	92

589	Effects of stress ratio on high-cycle and very-high-cycle fatigue behavior of a Ti6Al4V alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2015**, 622, 228-235	5.3	91
588	Evaluation and comparison of critical plane criteria for multiaxial fatigue analysis of ductile and brittle materials. *International Journal of Fatigue*, **2018**, 112, 279-288	5	91
587	Application of an average strain energy density criterion to obtain the mixed mode fracture load of granite rock tested with the cracked asymmetric four-point bend specimens. *Theoretical and Applied Fracture Mechanics*, **2018**, 97, 419-425	3.7	91
586	Analytical modelling of residual stress in additive manufacturing. *Fatigue and Fracture of Engineering Materials and Structures*, **2017**, 40, 971-978	3	90
585	On the applicability of ASED criterion for predicting mixed mode I+II fracture toughness results of a rock material. *Theoretical and Applied Fracture Mechanics*, **2017**, 92, 198-204	3.7	88
584	Induced out-of-plane mode at the tip of blunt lateral notches and holes under in-plane shear loading. *Fatigue and Fracture of Engineering Materials and Structures*, **2012**, 35, 538-555	3	86
583	A comparison among some recent energy- and stress-based criteria for the fracture assessment of sharp V-notched components under Mode I loading. *Theoretical and Applied Fracture Mechanics*, **2014**, 71, 21-30	3.7	83
582	Understanding the fracture behavior of brittle and ductile multi-flawed rocks by uniaxial loading by digital image correlation. *Engineering Fracture Mechanics*, **2018**, 199, 438-460	4.2	81
581	Coupled fracture mode of a cracked plate under anti-plane loading. *Engineering Fracture Mechanics*, **2015**, 134, 391-403	4.2	81
580	Relationships between J-integral and the strain energy evaluated in a finite volume surrounding the tip of sharp and blunt V-notches. *International Journal of Solids and Structures*, **2007**, 44, 4621-4645	3.1	81
579	A generalised notch stress intensity factor for U-notched components loaded under mixed mode. *Engineering Fracture Mechanics*, **2008**, 75, 4819-4833	4.2	81
578	Multi-axial fatigue behaviour of a severely notched carbon steel. *International Journal of Fatigue*, **2006**, 28, 485-493	5	81
577	Fracture behaviour of notched round bars made of PMMA subjected to torsion at −60 °C. *Engineering Fracture Mechanics*, **2013**, 102, 271-287	4.2	78
576	Recent advances on notch effects in metal fatigue: A review. *Fatigue and Fracture of Engineering Materials and Structures*, **2020**, 43, 637-659	3	77
575	Brittle fracture of sharp and blunt V-notches in isostatic graphite under torsion loading. *Carbon*, **2012**, 50, 1942-1952	10.4	77
574	Fatigue strength of structural components under multi-axial loading in terms of local energy density averaged on a control volume. *International Journal of Fatigue*, **2011**, 33, 1055-1065	5	77
573	Coupled fracture mode of a cracked disc under anti-plane loading. *Engineering Fracture Mechanics*, **2014**, 128, 22-36	4.2	76
572	Effect of the thickness on elastic deformation and quasi-brittle fracture of plate components. *Engineering Fracture Mechanics*, **2010**, 77, 1665-1681	4.2	76

571	Encapsulation of epoxy and amine curing agent in PAN nanofibers by coaxial electrospinning for self-healing purposes. *RSC Advances*, **2016**, 6, 70056-70063	3.7	75
570	Fracture behaviour of notched round bars made of PMMA subjected to torsion at room temperature. *Engineering Fracture Mechanics*, **2012**, 90, 143-160	4.2	72
569	Fictitious notch rounding concept applied to sharp V-notches: Evaluation of the microstructural support factor for different failure hypotheses. *Engineering Fracture Mechanics*, **2009**, 76, 1151-1175	4.2	72
568	A generalized strain energy density criterion for mixed mode fracture analysis in brittle and quasi-brittle materials. *Theoretical and Applied Fracture Mechanics*, **2015**, 79, 70-76	3.7	71
567	On higher order terms and out-of-plane singular mode. *Mechanics of Materials*, **2011**, 43, 332-341	3.3	71
566	In vitro and in vivo evaluation of chitosan-alginate/gentamicin wound dressing nanofibrous with high antibacterial performance. *Polymer Testing*, **2020**, 82, 106298	4.5	71
565	Brittle fracture of sharp and blunt V-notches in isostatic graphite under pure compression loading. *Carbon*, **2013**, 63, 101-116	10.4	70
564	An Elasto-Plastic Reformulation of the Theory of Critical Distances to Estimate Lifetime of Notched Components Failing in the Low/Medium-Cycle Fatigue Regime. *Journal of Engineering Materials and Technology, Transactions of the ASME*, **2010**, 132,	1.8	70
563	Fatigue strength of blunt V-notched specimens produced by selective laser melting of Ti-6Al-4V. *Theoretical and Applied Fracture Mechanics*, **2018**, 97, 376-384	3.7	69
562	Three dimensional finite element mixed fracture mode under anti-plane loading of a crack. *Theoretical and Applied Fracture Mechanics*, **2012**, 62, 26-33	3.7	69
561	Geometry effects on fracture trajectory of PMMA samples under pure mode-I loading. *Engineering Fracture Mechanics*, **2016**, 163, 449-461	4.2	68
560	Effect of post-treatments on the fatigue behaviour of 316L stainless steel manufactured by laser powder bed fusion. *International Journal of Fatigue*, **2019**, 123, 31-39	5	67
559	A review of digital manufacturing-based hybrid additive manufacturing processes. *International Journal of Advanced Manufacturing Technology*, **2018**, 95, 2281-2300	3.2	67
558	High temperature fatigue tests of un-notched and notched specimens made of 40CrMoV13.9 steel. *Materials & Design*, **2014**, 63, 609-619		66
557	Towards the development of self-healing carbon/epoxy composites with improved potential provided by efficient encapsulation of healing agents in core-shell nanofibers. *Polymer Testing*, **2017**, 62, 79-87	4.5	65
556	Local strain energy density to predict mode II brittle fracture in Brazilian disk specimens weakened by V-notches with end holes. *Materials & Design*, **2015**, 69, 22-29		65
555	J-integral evaluation for U- and V-blunt notches under Mode I loading and materials obeying a power hardening law. *International Journal of Fracture*, **2007**, 146, 33-51	2.3	65
554	Three-dimensional linear elastic distributions of stress and strain energy density ahead of V-shaped notches in plates of arbitrary thickness. *International Journal of Fracture*, **2004**, 127, 265-282	2.3	65

553	Mg and Its Alloys for Biomedical Applications: Exploring Corrosion and Its Interplay with Mechanical Failure. *Metals*, **2017**, 7, 252	2.3	64
552	The Theory of Critical Distances to estimate lifetime of notched components subjected to variable amplitude uniaxial fatigue loading. *International Journal of Fatigue*, **2011**, 33, 900-911	5	64
551	Progressive failure of brittle rocks with non-isometric flaws: Insights from acousto-optic-mechanical (AOM) data. *Fatigue and Fracture of Engineering Materials and Structures*, **2019**, 42, 1787-1802	3	63
550	Effect of vertex singularities on stress intensities near plate free surfaces. *Fatigue and Fracture of Engineering Materials and Structures*, **2015**, 38, 860-869	3	63
549	Generalised Neuber concept of fictitious notch rounding. *International Journal of Fatigue*, **2013**, 51, 105-115	3	63
548	Out-of-plane singular stress fields in V-notched plates and welded lap joints induced by in-plane shear load conditions. *Fatigue and Fracture of Engineering Materials and Structures*, **2011**, 34, 291-304	3	63
547	The Theory of Critical Distances as an alternative experimental strategy for the determination of KIc and Kth. *Engineering Fracture Mechanics*, **2010**, 77, 1492-1501	4.2	62
546	From Neuber's Elementary Volume to Kitagawa and Atzori's Diagrams: An Interpretation Based on Local Energy. *International Journal of Fracture*, **2005**, 135, L33-L38	2.3	62
545	Local fatigue strength parameters for welded joints based on strain energy density with inclusion of small-size notches. *Engineering Fracture Mechanics*, **2009**, 76, 1109-1130	4.2	61
544	Fatigue assessment of welded joints under slit-parallel loading based on strain energy density or notch rounding. *International Journal of Fatigue*, **2009**, 31, 1490-1504	5	61
543	The nature and the mechanism of crack initiation and early growth for very-high-cycle fatigue of metallic materials – An overview. *Theoretical and Applied Fracture Mechanics*, **2017**, 92, 331-350	3.7	60
542	Multiaxial notch fatigue **2009**,		60
541	Coupled fracture modes of discs and plates under anti-plane loading and a disc under in-plane shear loading. *Fatigue and Fracture of Engineering Materials and Structures*, **2016**, 39, 924-938	3	60
540	Control volumes and strain energy density under small and large scale yielding due to tension and torsion loading. *Fatigue and Fracture of Engineering Materials and Structures*, **2008**, 31, 95-107	3	59
539	Fictitious notch rounding concept applied to sharp V-notches: Evaluation of the microstructural support factor for different failure hypotheses. Part I: Basic stress equations. *Engineering Fracture Mechanics*, **2008**, 75, 3060-3072	4.2	59
538	High-Pressure Die-Casting: Contradictions and Challenges. *Jom*, **2015**, 67, 901-908	2.1	58
537	Fatigue properties of ductile cast iron containing chunky graphite. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 554, 122-128	5.3	58
536	On Higher Order Terms in the Crack Tip Stress Field. *International Journal of Fracture*, **2010**, 161, 221-226	2.3	58

535	Fatigue of additively manufactured 316L stainless steel: The influence of porosity and surface roughness. *Fatigue and Fracture of Engineering Materials and Structures*, **2019**, 42, 2043-2052	3	57
534	Transverse singular effects in V-shaped notches stressed in mode II. *International Journal of Fracture*, **2010**, 164, 1-14	2.3	57
533	Antioxidant, Antimicrobial and Antiviral Properties of Herbal Materials. *Antioxidants*, **2020**, 9,	7.1	57
532	Self-healing and interfacially toughened carbon fibre-epoxy composites based on electrospun core□shell nanofibres. *Journal of Applied Polymer Science*, **2017**, 134, 44956	2.9	56
531	Experimental and theoretical investigation of environmental media on very-high-cycle fatigue behavior for a structural steel. *Acta Materialia*, **2011**, 59, 1321-1327	8.4	56
530	Electrospun Nano-Fibers for Biomedical and Tissue Engineering Applications: A Comprehensive Review. *Materials*, **2020**, 13,	3.5	55
529	Multiparametric full-field representations of the in-plane stress fields ahead of cracked components under mixed mode loading. *International Journal of Fatigue*, **2013**, 46, 16-26	5	55
528	Fatigue behaviour of FDM-3D printed polymers, polymeric composites and architected cellular materials. *International Journal of Fatigue*, **2021**, 143, 106007	5	55
527	Fracture assessment of polymethyl methacrylate using sharp notched disc bend specimens under mixed mode I + III loading. *Physical Mesomechanics*, **2016**, 19, 355-364	1.6	54
526	Effects of inclusion size and stress ratio on fatigue strength for high-strength steels with fish-eye mode failure. *International Journal of Fatigue*, **2013**, 48, 19-27	5	54
525	Prediction of threshold value for FGA formation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 6872-6877	5.3	54
524	A simplified approach to apply the theory of critical distances to notched components under torsional fatigue loading. *International Journal of Fatigue*, **2006**, 28, 417-430	5	54
523	Fracture assessment of U-notches under three point bending by means of local energy density. *Materials & Design*, **2011**, 32, 822-830		53
522	Facile strategy toward fabrication of highly responsive self-healing carbon/epoxy composites via incorporation of healing agents encapsulated in poly(methylmethacrylate) nanofiber shell. *Journal of Industrial and Engineering Chemistry*, **2018**, 59, 456-466	6.3	51
521	Notch-defect interaction in additively manufactured Inconel 718. *International Journal of Fatigue*, **2019**, 122, 35-45	5	49
520	Flow-induced vibrations of long circular cylinders modeled by coupled nonlinear oscillators **2009**, 52, 1086-1093		48
519	Mixed mode I/II fracture investigation of Perspex based on the averaged strain energy density criterion. *Physical Mesomechanics*, **2017**, 20, 149-156	1.6	47
518	Fatigue Assessment of Ti□Al□V Circular Notched Specimens Produced by Selective Laser Melting. *Metals*, **2017**, 7, 291	2.3	47

517	Fatigue assessment of notched specimens by means of a critical plane-based criterion and energy concepts. *Theoretical and Applied Fracture Mechanics*, **2016**, 84, 57-63	3.7	46
516	Low-Cycle Fatigue Behaviour of AISI 18Ni300 Maraging Steel Produced by Selective Laser Melting. *Metals*, **2018**, 8, 32	2.3	45
515	Generalized approach to estimation of strains and stresses at blunt V-notches under non-localized creep. *Fatigue and Fracture of Engineering Materials and Structures*, **2016**, 39, 292-306	3	43
514	Asymptotic residual stresses in butt-welded joints under fatigue loading. *Theoretical and Applied Fracture Mechanics*, **2016**, 83, 114-124	3.7	42
513	Regenerative medicine and drug delivery: Progress via electrospun biomaterials. *Materials Science and Engineering C*, **2020**, 109, 110521	8.3	41
512	Very-high-cycle fatigue behavior of Ti-6Al-4V manufactured by selective laser melting: Effect of build orientation. *International Journal of Fatigue*, **2020**, 136, 105628	5	40
511	Fatigue Behavior of Porous Ti-6Al-4V Made by Laser-Engineered Net Shaping. *Materials*, **2018**, 11,	3.5	40
510	Strain energy density to assess mode II fracture in U-notched disk-type graphite plates. *International Journal of Damage Mechanics*, **2014**, 23, 917-930	3	40
509	Interfacial toughening of carbon/epoxy composite by incorporating styrene acrylonitrile nanofibers. *Theoretical and Applied Fracture Mechanics*, **2018**, 95, 242-247	3.7	39
508	Generalised stress intensity factors for rounded notches in plates under in-plane shear loading. *International Journal of Fracture*, **2011**, 170, 123-144	2.3	39
507	Notched plates in mixed mode loading (I+II): a review based on the local strain energy density and the cohesive zone model. *Engineering Solid Mechanics*, **2017**, 1-8	1.3	38
506	Fatigue strength assessment of partial and full-penetration steel and aluminium butt-welded joints according to the peak stress method. *Fatigue and Fracture of Engineering Materials and Structures*, **2015**, 38, 1419-1431	3	38
505	High-temperature fatigue strength of a copper□cobalt□beryllium alloy. *Journal of Strain Analysis for Engineering Design*, **2014**, 49, 244-256	1.3	38
504	Tangential strain-based criteria for mixed-mode I/II fracture toughness of cement concrete. *Fatigue and Fracture of Engineering Materials and Structures*, **2018**, 41, 129-137	3	37
503	Three-dimensional stress fields due to notches in plates under linear elastic and elastic□plastic conditions. *Fatigue and Fracture of Engineering Materials and Structures*, **2015**, 38, 140-153	3	37
502	In-situ investigation on fatigue behaviors of Ti-6Al-4V manufactured by selective laser melting. *International Journal of Fatigue*, **2020**, 133, 105424	5	37
501	Elastic-plastic fracture analysis of notched Al 7075-T6 plates by means of the local energy combined with the equivalent material concept. *Physical Mesomechanics*, **2016**, 19, 204-214	1.6	37
500	Effects of applied stress ratio on the fatigue behavior of additively manufactured porous biomaterials under compressive loading. *Journal of the Mechanical Behavior of Biomedical Materials*, **2017**, 70, 7-16	4.1	36

499	Review of local strain energy density theory for the fracture assessment of V-notches under mixed mode loading. *Engineering Solid Mechanics*, **2017**, 113-132	1.3	36
498	Fracture assessment of sharp V-notched components under Mode II loading: a comparison among some recent criteria. *Theoretical and Applied Fracture Mechanics*, **2016**, 85, 217-226	3.7	36
497	New methodology of fatigue life evaluation for multiaxially loaded notched components based on two uniaxial strain-controlled tests. *International Journal of Fatigue*, **2018**, 111, 308-320	5	35
496	The behavior of crack initiation and early growth in high-cycle and very-high-cycle fatigue regimes for a titanium alloy. *International Journal of Fatigue*, **2018**, 115, 67-78	5	35
495	Rapid finite element evaluation of the averaged strain energy density of mixed-mode (I + II) crack tip fields including the T-stress contribution. *Fatigue and Fracture of Engineering Materials and Structures*, **2016**, 39, 982-998	3	35
494	New Classification of Defects and Imperfections for Aluminum Alloy Castings. *International Journal of Metalcasting*, **2015**, 9, 55-66	1.4	35
493	Some new practical equations for rapid calculation of J-integral in plates weakened by U-notches under bending. *Materials & Design*, **2010**, 31, 2964-2971		35
492	Effect of Solution Heat Treatments on the Microstructure and Mechanical Properties of a Die-Cast AlSi7MgMn Alloy. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2008**, 39, 1747-1758	2.3	35
491	Loss of integrity of hydrogen technologies: A critical review. *International Journal of Hydrogen Energy*, **2020**, 45, 23809-23840	6.7	35
490	Brittle Failure of Graphite Weakened by V-Notches: A Review of Some Recent Results Under Different Loading Modes. *Strength of Materials*, **2015**, 47, 488-506	0.6	34
489	Averaged strain energy density evaluated rapidly from the singular peak stresses by FEM: cracked components under mixed-mode (I+II) loading. *Theoretical and Applied Fracture Mechanics*, **2015**, 79, 113-124	3.7	34
488	A synthesis of Polymethylmethacrylate data from U-notched specimens and V-notches with end holes by means of local energy. *Materials & Design*, **2013**, 49, 826-833		34
487	On the Presence of the Out-of-Plane Singular Mode Induced by Plane Loading With KII = KI = 0. *International Journal of Fracture*, **2011**, 167, 119-126	2.3	34
486	Practical expressions for the notch stress concentration factors of round bars under torsion. *International Journal of Fatigue*, **2011**, 33, 382-395	5	34
485	Fatigue strength of steel rollers with failure occurring at the weld root based on the local strain energy values: modelling and fatigue assessment. *International Journal of Fatigue*, **2016**, 82, 643-657	5	33
484	Directed Energy Deposition versus Wrought Ti-6Al-4V: A Comparison of Microstructure, Fatigue Behavior, and Notch Sensitivity. *Advanced Engineering Materials*, **2019**, 21, 1900220	3.5	33
483	Multiaxial fatigue strength of severely notched cast iron specimens. *International Journal of Fatigue* , **2014**, 67, 15-27	5	33
482	Brittle Fracture of Rounded V-Notches in Isostatic Graphite under Static Multiaxial Loading. *Physical Mesomechanics*, **2015**, 18, 283-297	1.6	33

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480	Fatigue strength of a fork-pin equivalent coupling in terms of the local strain energy density. *Materials & Design*, **2008**, 29, 1780-1792		33
479	Fracture assessment of polyacrylonitrile nanofiber-reinforced epoxy adhesive. *Theoretical and Applied Fracture Mechanics*, **2018**, 97, 448-453	3.7	33
478	The mechanical testing and performance analysis of polymer-fibre composites prepared through the additive manufacturing. *Polymer Testing*, **2021**, 93, 106925	4.5	33
477	Rapid assessment of multiaxial fatigue lifetime in notched components using an averaged strain energy density approach. *International Journal of Fatigue*, **2019**, 124, 89-98	5	32
476	Fatigue life assessment of notched round bars under multiaxial loading based on the total strain energy density approach. *Theoretical and Applied Fracture Mechanics*, **2018**, 97, 340-348	3.7	32
475	Quantification of the Influence of Residual Stresses on Fatigue Strength of Al-Alloy Welded Joints by Means of the Local Strain Energy Density Approach. *Strength of Materials*, **2016**, 48, 426-436	0.6	32
474	A survey on multiaxial fatigue damage parameters under non-proportional loadings. *Fatigue and Fracture of Engineering Materials and Structures*, **2017**, 40, 1323-1342	3	32
473	Stress distributions in notched structural components under pure bending and combined traction and bending. *Fatigue and Fracture of Engineering Materials and Structures*, **2005**, 28, 13-23	3	32
472	Comparison of TCD and SED methods in fatigue lifetime assessment. *International Journal of Fatigue*, **2019**, 123, 105-134	5	32
471	Crack initiation life in notched steel bars under torsional fatigue: Synthesis based on the averaged strain energy density approach. *International Journal of Fatigue*, **2017**, 100, 563-574	5	31
470	Elastic notch stress intensity factors for sharply V-notched rounded bars under torsion. *Engineering Fracture Mechanics*, **2009**, 76, 439-453	4.2	31
469	3D Printing of polymer composites: A short review. *Material Design and Processing Communications*, **2020**, 2, e97	0.9	31
468	A Review of Recent Advances in Nanoengineered Polymer Composites. *Polymers*, **2019**, 11,	4.5	30
467	Experimental study on effects of freeze-thaw fatigue damage on the cracking behaviors of sandstone containing two unparallel fissures. *Fatigue and Fracture of Engineering Materials and Structures*, **2019**, 42, 1322-1340	3	30
466	Study of the effect of heat treatment on fatigue crack growth behaviour of 316L stainless steel produced by selective laser melting. *Fatigue and Fracture of Engineering Materials and Structures*, **2018**, 41, 1102-1119	3	30
465	Analysis of creep stresses and strains around sharp and blunt V-notches. *Theoretical and Applied Fracture Mechanics*, **2016**, 85, 435-446	3.7	30
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462	Fictitious notch rounding concept applied to V-notches with root holes subjected to in-plane shear loading. *Engineering Fracture Mechanics*, **2012**, 79, 281-294	4.2	30
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460	Effects of fundamental structure parameters on dynamic responses of submerged floating tunnel under hydrodynamic loads. *Acta Mechanica Sinica/Lixue Xuebao*, **2009**, 25, 335-344	2	30
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458	The Effect of Transition Elements on High-Temperature Mechanical Properties of Al–Si Foundry Alloys—A Review . *Advanced Engineering Materials*, **2016**, 18, 1096-1105	3.5	30
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