Dr Pankaj Thakur

List of Publications by Year
in descending order

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39	265	933447 10	1058476 14
papers	citations	h-index	g-index

40	40	40	72
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magneto-dielectric properties of doped ferrite based nanosized ceramics over very high frequency range. Engineering Science and Technology, an International Journal, 2016, 19, 911-916.	3.2	24
2	Thermo elastic-plastic transition in a thin rotating disc with inclusion. Thermal Science, 2007, 11, 103-118.	1.1	19
3	Creep Transition in a Thin Rotating Disc with Rigid Inclusion. Defence Science Journal, 2007, 57, 185-195.	0.8	15
4	Creep transition stresses of a thick isotropic spherical shell by finitesimal deformation under steady state of temperature and internal pressure. Thermal Science, 2011, 15, 157-165.	1.1	15
5	Elastoplastic Deformation in an Orthotropic Spherical Shell Subjected to a Temperature Gradient. Mathematics and Mechanics of Solids, 2020, 25, 26-34.	2.4	14
6	Elastoplastic deformation in an isotropic material disk with shaft subjected to load and variable density. Journal of Rubber Research (Kuala Lumpur, Malaysia), 2020, 23, 69-78.	1.1	13
7	Thermal creep transition stresses and strain rates in a circular disc with shaft having variable density. Engineering Computations, 2016, 33, .	1.4	12
8	Creep transition stresses in a thin rotating disc with shaft by finite deformation under steady-state temperature. Thermal Science, 2010, 14, 425-436.	1.1	12
9	Elasticâ€“plastic stresses in a rotating disc of transversely isotropic material fitted with a shaft and subjected to thermal gradient. Meccanica, 2021, 56, 1165-1175.	2.0	11
10	Elastic-plastic transition stresses in a transversely isotropic thick-walled cylinder subjected to internal pressure and steady-state temperature. Thermal Science, 2009, 13, 107-118.	1.1	11
11	Creep deformation and stress analysis in a transversely material disk subjected to rigid shaft. Mathematics and Mechanics of Solids, 2020, 25, 17-25.	2.4	10
12	Effect of density parameter in a disk made of orthotropic material and rubber. Journal of Rubber Research (Kuala Lumpur, Malaysia), 2020, 23, 193-201.	1.1	10
13	Thermal effects in rectangular plate made of rubber, copper and glass materials. Journal of Rubber Research (Kuala Lumpur, Malaysia), 2021, 24, 147-155.	1.1	9
14	Elastic-plastic transition stresses in rotating cylinder by finite deformation under steady state temperature. Thermal Science, 2011, 15, 537-543.	1.1	8
15	Modeling of creep deformation of a transversely isotropic rotating disc with a shaft having variable density and subjected to a thermal gradient. Thermal Science and Engineering Progress, 2020, 20, 100745.	2.7	8
16	Elastoplastic analysis in functionally graded thick-walled rotating transversely isotropic cylinder under a radial temperature gradient and uniform pressure. Mathematics and Mechanics of Solids, 2021, 26, 5-17.	2.4	8
17	Elastic-plastic transition stresses in a thin rotating disc with rigid inclusion by infinitesimal deformation under steady-state temperature. Thermal Science, 2010, 14, 209-219.	1.1	8
18	Steady thermal stress and strain rates in a circular cylinder with non-homogeneous compressibility subjected to thermal load. Thermal Science, 2014, 18, 81-92.	1.1	6

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19	Analytical Solution of Hyperbolic Deformable Disk having Variable Density. Mechanics of Solids, 2021, 56, 1039-1046.	0.7	6
20	Elasticâ€“Plastic Infinitesimal Deformation in a Solid Disk Under Heat Effect by Using Seth Theory. International Journal of Applied and Computational Mathematics, 2017, 3, 621-633.	1.6	5
21	Creep transition in the rotating spherical shell under the effect of density variable by Sethâ€™s transition theory. AIP Conference Proceedings, 2017, , .	0.4	5
22	Thermal stress analysis in a hemispherical shell made of transversely isotropic materials under pressure and thermoâ€mechanical loads. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 0, , e202100208.	1.6	5
23	Thermal creep stress and strain analysis in non-homogeneous spherical shell. Journal of Theoretical and Applied Mechanics, 0, , 1155.	0.5	5
24	Creep strain rates analysis in cylinder under temperature gradient materials by using Sethâ€™s theory. Engineering Computations, 2017, 34, 1020-1030.	1.4	4
25	Thermal effect in a rotating disk made of rubber and magnesium materials and having variable density. Journal of Rubber Research (Kuala Lumpur, Malaysia), 2021, 24, 403-413.	1.1	4
26	Stress analysis in an isotropic hyperbolic rotating disk fitted with rigid shaft. Zeitschrift Fur Angewandte Mathematik Und Physik, 2022, 73, 1.	1.4	4
27	Elastic-plastic analysis of transversely isotropic spherical shell under internal pressure. AIP Conference Proceedings, 2019, , .	0.4	3
28	Elastic-plastic transition on rotating spherical shells in dependence of compressibility. Kragujevac Journal of Science, 2017, , 5-16.	0.4	3
29	Steady thermal stress and strain rates in a rotating circular cylinder under steady state temperature. Thermal Science, 2014, 18, 93-106.	1.1	2
30	Effect of mechanical load and thickness profile on creep in a rotating disc by using Sethâ€™s transition theory. AIP Conference Proceedings, 2017, , .	0.4	1
31	Stresses in a spherical shell by using Lebesgue measure concept. International Journal of Physical Sciences, 2011, 6, .	0.4	1
32	Elastic-plastic stresses in a thin rotating disk with shafthaving density variation parameter under steady-state temperature. Kragujevac Journal of Science, 2014, , 5-17.	0.4	1
33	Mechanical load in a circular rotating disk with a shaft for different materials under steady-state temperature. Scientific Technical Review, 2015, 65, 36-42.	0.3	1
34	Steady thermal stresses in solid disk under heat generation subjected to variable density. Kragujevac Journal of Science, 2016, , 5-14.	0.4	1
35	Thermal stress distribution in a hyperbolic disk made of rubber/brass material. Journal of Rubber Research (Kuala Lumpur, Malaysia), 2022, 25, 27-37.	1.1	1
36	Elastic-plastic transitional stresses distribution and displacement for transversely isotropic circular disc with inclusion subject to mechanical load. Kragujevac Journal of Science, 2015, , 23-33.	0.4	0

#	Article	IF	Citations
37	Mathematical model in a thin non-homogeneous rotating disc for isotropic material with rigid shaft by using Seth's transition theory. Kragujevac Journal of Science, 2015, , 11-22.	0.4	0
38	Determine variation of poisson ratios and thermal creep stresses and strain rates in an isotropic disc. Kragujevac Journal of Science, 2016, , 15-28.	0.4	0
39	Thermal effect on the creep in a rotating disc by using Sherbyâ€™s law. Kragujevac Journal of Science, 2017, , 17-27.	0.4	0