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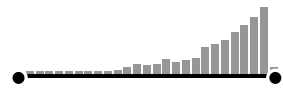
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	Article				
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	Show abstract 	Related documents			
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	Show abstract 	View at Publisher 	Related documents		

	Document title	Authors	Source	Year	Citations
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	Show abstract 	View at Publisher 	Related documents		
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	Show abstract 	View at Publisher 	Related documents		
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	Article • <i>Open access</i>				

	Document title	Authors	Source	Year	Citations
☐ 96	Collapse of ultrashort spatiotemporal pulses described by the cubic generalized Kadomtsev-Petviashvili equation	Leblond, H., Kremer, D., Mihalache, D.	Physical Review A - Atomic, Molecular, and Optical Physics, 81(3), 033824	2010	46
	Show abstract 	View at Publisher 	Related documents		
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	Show abstract 	View at Publisher 	Related documents		
☐ 100	Article Needle-free electrospinning of nanofibrillated cellulose and graphene nanoplatelets based sustainable poly (butylene succinate) nanofibers	Neibolts, N., Platnieks, O., Gaidukovs, S., ... Yamaguchi, K., Enachescu, M.	Materials Today Chemistry, 17, 100301	2020	45
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	Document title	Authors	Source	Year	Citations
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Show abstract  View at Publisher  Related documents					
Article • Open access					
☐ 105	Antibacterial activity of bacterial cellulose loaded with bacitracin and amoxicillin: In vitro studies	Lemnaru, G.-M., Truşcă, R.D., Ilie, C.-I., ... Ficai, A., Diţu, L.-M.	Molecules, 25(18), 4069	2020	44
Show abstract  View at Publisher  Related documents					
Article • Open access					
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Review					
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Article					
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Article					
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Article • Open access					
☐ 112	Microscopic cold fission yields of Cf252	Mirea, M., Delion, D.S., Săndulescu, A.	Physical Review C - Nuclear Physics, 81(4), 044317	2010	44

	Document title	Authors	Source	Year	Citations
	Show abstract 	View at Publisher 	Related documents		
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☐	Article 115 Free convection flow of some fractional nanofluids over a moving vertical plate with uniform heat flux and heat source	Azhar, W.A., Vieru, D., Fetecau, C.	Physics of Fluids, 29(8), 082001	2017	43
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	Document title	Authors	Source	Year	Citations
☐ 121	In vitro characterization of novel nanostructured collagen-hydroxyapatite composite scaffolds doped with magnesium with improved biodegradation rate for hard tissue regeneration	Antoniac, I.V., Antoniac, A., Vasile, E., ...Yankova, V.G., Rau, J.V.	Bioactive Materials, 6(10), pp. 3383–3395	2021	41
Show abstract  View at Publisher  Related documents					
Article • Open access					
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Show abstract  View at Publisher  Related documents					
Article • Open access					
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Show abstract  View at Publisher  Related documents					
Article • Open access					
☐ 124	Zinc oxide nanoparticles for water purification	Spoială, A., Ilie, C.-I., Truscă, R.-D., ...Andronescu, E., Dit, L.-M.	Materials, 14(16), 4747	2021	40
Show abstract  View at Publisher  Related documents					
Review					
☐ 125	Graphene inks for the 3D printing of cell culture scaffolds and related molecular arrays	Vlăsceanu, G.M., Iovu, H., Ioniță, M.	Composites Part B: Engineering, 162, pp. 712–723	2019	40
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Review • Open access					
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Article					
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Article • Open access					
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Article • Open access					

	Document title	Authors	Source	Year	Citations
☐ 129	General Solutions for Magnetohydrodynamic Natural Convection Flow with Radiative Heat Transfer and Slip Condition over a Moving Plate	Fetecau, C., Vieru, D., Fetecau, C., Akhter, S.	Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, 68(10-11), pp. 659–667	2013	40
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☐ 135	Article A life-cycle cost analysis of the passive house pOLITEHNICA from Bucharest	Badea, A., Baracu, T., Dinca, C., ...Grigore, R., Anastasiu, M.	Energy and Buildings, 80, pp. 542–555	2014	38
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	Document title	Authors	Source	Year	Citations
	Show abstract 	View at Publisher 	Related documents		
	Review • <i>Open access</i>				
	138 Recent advances in microfluidic methods in cancer liquid biopsy	Iliescu, F.S., Poenar, D.P., Yu, F., ...Cima, I., Iliescu, C.	Biomicrofluidics, 13(4), 041503	2019	37
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	Article • <i>Open access</i>				
	139 Radiative and porous effects on free convection flow near a vertical plate that applies shear stress to the fluid	Fetecau, C., Rana, M., Fetecau, C.	Zeitschrift fur Naturforschung - Section C Journal of Biosciences, 68 A(1-2), pp. 130–138	2013	37
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	Article • <i>Open access</i>				
	140 Coexistence of α + ^{208}Pb cluster structures and single-particle excitations in $^{84}_{212}\text{Po}_{128}$	Astier, A., Petkov, P., Porquet, M.-G., Delion, D.S., Schuck, P.	European Physical Journal A, 46(2), pp. 165–185	2010	37
	Show abstract 	View at Publisher 	Related documents		
	Review • <i>Open access</i>				
	141 Clinical Applications of Artificial Intelligence—An Updated Overview	Busnatu, Ș., Niculescu, A.-G., Bolocan, A., ... Grumezescu, A.M., Martins, H.	Journal of Clinical Medicine, 11(8), 2265	2022	36
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	142 On istratescu type contractions in b-metric spaces	Karapinar, E., Fulga, A., Petrusel, A.	Mathematics, 8(3), 388	2020	36
	Show abstract 	View at Publisher 	Related documents		
	Review • <i>Open access</i>				
	143 Optimized Synthesis Approaches of Metal Nanoparticles with Antimicrobial Applications	Marinescu, L., Fica, D., Oprea, O., ... Andronescu, E., Holban, A.-M.	Journal of Nanomaterials, 2020, 6651207	2020	36
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	Article				
	144 Modelling the behavior of pesticide residues in tomatoes and their associated long-term exposure risks	Hlihor, R.-M., Pogăcean, M.O., Rosca, M., Cozma, P., Gavrilescu, M.	Journal of Environmental Management, 233, pp. 523–529	2019	36
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	Article • <i>Open access</i>				
	145 Extraordinary tunability of high-frequency devices using $\text{Hf}_{0.3}\text{Zr}_{0.7}\text{O}_2$ ferroelectric at very low applied voltages	Dragoman, M., Aldrigo, M., Modreanu, M., Dragoman, D.	Applied Physics Letters, 110(10), 103104	2017	36
	Show abstract 	View at Publisher 	Related documents		

	Document title	Authors	Source	Year	Citations
	Article				
☐ 146	Challenges and oportunities in green plastics: An assessment using the electre decision-aid method	Comaniță, E.-D., Ghinea, C., Hlihor, R.M., ... Gostin, I., Gavrilescu, M.	Environmental Engineering and Management Journal, 14(3), pp. 689–702, A689	2015	36
	Show abstract 	View at Publisher 	Related documents		
	Article				
☐ 147	Simple approach to two-proton emission	Delion, D.S., Liotta, R.J., Wyss, R.	Physical Review C - Nuclear Physics, 87(3), 034328	2013	36
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	Article				
☐ 148	Comparative analysis of crystal field effects and energy level scheme of six-fold coordinated Cr⁴ ion in the pyrochlores, Y₂B₂O₇ (B=Ti⁴, Sn⁴)	Brik, M.G., Srivastava, A.M., Avram, N.M.	Journal of Luminescence, 131(1), pp. 54–58	2011	36
	Show abstract 	View at Publisher 	Related documents		
	Article • <i>Open access</i>				
☐ 149	Ultrashort light bullets described by the two-dimensional sine-Gordon equation	Leblond, H., Mihalache, D.	Physical Review A - Atomic, Molecular, and Optical Physics, 81(6), 063815	2010	36
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	Article				
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	Article				
☐ 151	Non-axisymmetric Homann stagnation-point flow of Walter's B nanofluid over a cylindrical disk	Khan, M., Sarfraz, M., Ahmed, J., Ahmed, L., Fetecau, C.	Applied Mathematics and Mechanics (English Edition), 41(5), pp. 725–740	2020	35
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	Article • <i>Open access</i>				
☐ 152	New approximations of some expressions involving trigonometric functions	Nenezić, M., Malešević, B., Mortici, C.	Applied Mathematics and Computation, 283, pp. 299–315	2016	35
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	Article				
☐ 153	Construction of the ef-based Runge-Kutta methods revisited	D'Ambrosio, R., Ixaru, L.G., Paternoster, B.	Computer Physics Communications, 182(2), pp. 322–329	2011	35
	Show abstract 	View at Publisher 	Related documents		

	Document title	Authors	Source	Year	Citations
☐ 154	Evaluation of essential elements and heavy metal levels in fruiting bodies of wild mushrooms and their substrate by EDXRF spectrometry and FAA spectrometry	Radulescu, C., Stih, C., Busuioc, G., ... Gheboianu, A.I., Cimpoca, V.G.	Romanian Biotechnological Letters, 15(4), pp. 5444–5456	2010	35
Show abstract  Related documents					
Article • <i>Open access</i>					
☐ 155	Preparation and Characterization of Chitosan/TiO₂ Composite Membranes as Adsorbent Materials for Water Purification	Spoială, A., Ilie, C.-I., Dolete, G., ... Andronescu, E., Dițu, L.-M.	Membranes, 12(8), 804	2022	34
Show abstract  View at Publisher  Related documents					
Article • <i>Open access</i>					
☐ 156	Ion release from hydroxyapatite and substituted hydroxyapatites in different immersion liquids: In vitro experiments and theoretical modelling study	Mocanu, A., Cadar, O., Frangopol, P.T., ... Horovitz, O., Tomoaia-Cotisel, M.	Royal Society Open Science, 8(1), 201785	2021	34
Show abstract  View at Publisher  Related documents					
Review					
☐ 157	Coupled channels description of the α-decay fine structure	Delion, D.S., Ren, Z., Dumitrescu, A., Ni, D.	Journal of Physics G: Nuclear and Particle Physics, 45(5), 053001	2018	34
Show abstract  View at Publisher  Related documents					
Article • <i>Open access</i>					
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Article					
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Review • <i>Open access</i>					
☐ 160	Melissa officinalis: Composition, Pharmacological Effects and Derived Release Systems—A Review	Petrisor, G., Motelica, L., Craciun, L.N., ...Ficai, D., Ficai, A.	International Journal of Molecular Sciences, 23(7), 3591	2022	33
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Article • <i>Open access</i>					
☐ 161	NDVI-based ecological dynamics of forest vegetation and its relationship to climate change in Romania during 1987–2018	Prăvălie, R., Sîrodoev, I., Nita, I.-A., ...Mănoiu, V., Birsan, M.-V.	Ecological Indicators, 136, 108629	2022	33
Show abstract  View at Publisher  Related documents					
Review • <i>Open access</i>					

	Document title	Authors	Source	Year	Citations
☐ 162	Heat stress in broiler chickens and the effect of dietary polyphenols, with special reference to Willow (Salix spp.) bark supplements—A review	Saracila, M., Panaite, T.D., Papuc, C.P., Criste, R.D.	Antioxidants, 10(5), 686	2021	33
	Show abstract  View at Publisher  Related documents				
☐ 163	Geiger-Nuttall Law for Nuclei in Strong Electromagnetic Fields	Delion, D.S., Ghinescu, S.A.	Physical Review Letters, 119(20), 202501	2017	33
	Show abstract  View at Publisher  Related documents				
☐ 164	Very large phase shift of microwave signals in a 6 nm Hf _x Zr _{1-x} O ₂ ferroelectric at ±3 v	Dragoman, M., Modreanu, M., Povey, I.M., ...Dinescu, A., Dragoman, D.	Nanotechnology, 28(38), 38LT04	2017	33
	Show abstract  View at Publisher  Related documents				
☐ 165	Control of high power pulses extracted from the maximally compressed pulse in a nonlinear optical fiber	Yang, G., Li, L., Jia, S., Mihalache, D.	Romanian Reports in Physics, 65(3), pp. 902–914	2013	33
	Show abstract  Related documents				
☐ 166	Accelerated hybrid conjugate gradient algorithm with modified secant condition for unconstrained optimization	Andrei, N.	Numerical Algorithms, 54(1), pp. 23–46	2010	33
	Show abstract  View at Publisher  Related documents				
☐ 167	Natural convection flows of Prabhakar-like fractional Maxwell fluids with generalized thermal transport	Shah, N.A., Fetecau, C., Vieru, D.	Journal of Thermal Analysis and Calorimetry, 143(3), pp. 2245–2258	2021	32
	Show abstract  View at Publisher  Related documents				
☐ 168	Smart food packaging designed by nanotechnological and drug delivery approaches	Motelica, L., Ficai, D., Oprea, O.C., Ficai, A., Andronescu, E.	Coatings, 10(9), 806	2020	32
	Show abstract  View at Publisher  Related documents				
☐ 169	An adaptive scaled BFGS method for unconstrained optimization	Andrei, N.	Numerical Algorithms, 77(2), pp. 413–432	2018	32
	Show abstract  View at Publisher  Related documents				
	Book Chapter				

	Document title	Authors	Source	Year	Citations
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