

# Mehmet Kaya

## List of Publications by Year in descending order

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34  
papers

520  
citations

840776

11  
h-index

677142

22  
g-index

34  
all docs

34  
docs citations

34  
times ranked

510  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superelastic response of a single crystalline FeMnAlNi shape memory alloy under tension and compression. <i>Acta Materialia</i> , 2015, 89, 374-383.	7.9	89
2	A study on microstructure and porosity of NiTi alloy implants produced by SHS. <i>Journal of Alloys and Compounds</i> , 2009, 487, 605-611.	5.5	57
3	The effect of the combustion channels on the compressive strength of porous NiTi shape memory alloy fabricated by SHS as implant material. <i>Current Opinion in Solid State and Materials Science</i> , 2010, 14, 21-25.	11.5	48
4	Interface characterisation of diffusion bonded Ti-6Al-4V alloy and austenitic stainless steel couple. <i>Materials Science and Technology</i> , 2009, 25, 556-560.	1.6	37
5	The effect of solution treatment under loading on the microstructure and phase transformation behavior of porous NiTi shape memory alloy fabricated by SHS. <i>Journal of Alloys and Compounds</i> , 2009, 475, 378-382.	5.5	36
6	The effect of austenitic interface layer on microstructure of AISI 420 martensitic stainless steel joined by keyhole PTA welding process. <i>Materials &amp; Design</i> , 2009, 30, 661-664.	5.1	26
7	Mononuclear Chelates Derived from Substituted Schiff Base Ligands: Synthesis and Characterization of a New 3-Methoxysalicylidene- <i>p</i> -Aminoacetophenoneoxime and its Complexes with Co(II), Ni(II), Cu(II), and Zn(II). <i>Spectroscopy Letters</i> , 2005, 38, 35-45.	1.0	20
8	Thermomechanical cyclic stability of porous NiTi shape memory alloy. <i>Materials Research Bulletin</i> , 2017, 95, 243-247.	5.2	18
9	Phase transformation behaviours of porous NiTi SMA fabricated as hollow and solid cylinders by SHS. <i>Materials Science and Technology</i> , 2010, 26, 522-527.	1.6	17
10	Zinc(II) phthalocyanine containing Schiff base containing sulfonamide: synthesis, characterization, photophysical, and photochemical properties. <i>Journal of Coordination Chemistry</i> , 2018, 71, 3763-3775.	2.2	15
11	Shape Memory Behavior of Porous NiTi Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 1499-1503.	2.2	14
12	Alloying effect on K-shell fluorescence parameters of porous NiTi shape memory alloys. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014, 192, 55-60.	1.7	13
13	Fabrication, characterization, and in vivo biocompatibility evaluation of titanium-niobium implants. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2021, 235, 99-108.	1.8	13
14	Studies of lattice mismatch and threading dislocations in GaAs/Si grown by MBE. <i>Superlattices and Microstructures</i> , 2004, 35, 35-44.	3.1	11
15	Effect of Solution Treatment on Thermal Conductivity of Porous NiTi Shape Memory Alloy. <i>International Journal of Thermophysics</i> , 2011, 32, 665-673.	2.1	11
16	Effect of solution treatment under load on microstructure and fabrication of porous NiTi shape memory alloy by self-propagating high temperature synthesis. <i>Powder Metallurgy</i> , 2009, 52, 36-41.	1.7	10
17	A Study on Microstructure and Fabrication of Porous Mg-10Al Alloy. <i>Materials and Manufacturing Processes</i> , 2012, 27, 605-608.	4.7	9
18	THE SYNTHESIS AND Co(II), Co(III), Cu(II), Ni(II) AND UO <sub>2</sub> (VI) COMPLEXES OF A NEW SYMMETRICALvic-DIOXIME CONTAINING 1,3-DIOXOLANE. <i>Journal of Coordination Chemistry</i> , 1999, 46, 479-490.	2.2	8

#	ARTICLE	IF	CITATIONS
19	THE SYNTHESIS AND CHARACTERIZATION OF 10,11-BIS(HYDROXYIMINO)-4,8,12,17-TETRAAZA 1,2,19,20-O-DICYCLO-HEXYLIDENEOCTACOSENE AND SOME TRANSITION METAL COMPLEXES. Journal of Coordination Chemistry, 1999, 48, 411-423.	2.2	7
20	Diffusion bonding between Ti-6Al-4V alloy and interstitial free steel. Materialwissenschaft Und Werkstofftechnik, 2017, 48, 661-665.	0.9	7
21	A study on microstructure of porous TiNbZr alloy produced as biomaterial. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 742-746.	0.9	7
22	Effect of sintering procedure on microstructure and mechanical properties of biomedical TiNbSn alloy produced via powder metallurgy. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	7
23	Design, synthesis, characterization and antibacterial and antifungal activity of a new 2-[(E)-[(4-aminophenyl)imino]methyl]-4,6-dichlorophenol and its complexes with Co(II), Ni(II), Cu(II) and Zn(II): An experimental and DFT study. Journal of the Serbian Chemical Society, 2016, 81, 509-520.	0.8	7
24	Microstructure characterization and biocompatibility behaviour of TiNbZr alloy fabricated by powder metallurgy. Materials Research Express, 2019, 6, 126560.	1.6	6
25	The Optical and Structural Properties of Undoped ZnO and Co-doped ZnO:Alx:Cdy x = 1 at %, y = 1, 2, 3, 5 at % Thin Films, and Their Electrical Characteristics as Photodiode. Protection of Metals and Physical Chemistry of Surfaces, 2021, 57, 488-499.	1.1	5
26	A study on the phase transformation behaviour of Cu-20wt.Sn alloy produced using powder metallurgy method: Experimental and molecular dynamics modelling. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126418.	2.1	4
27	AkÄ±llÄ± Malzeme Åžekil HafÄ±zalÄ± AlaÄ±mlarÄ±n TermodinamiÄ±. NevÅehir Bilim Ve Teknoloji Dergisi, 2017, 6, 541-555.		
28	The Synthesis and Co(II), Co(III), Cu(II) and Ni(II) Complexes of a New Symmetricalvic-Dioxime. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 1998, 28, 463-475.	1.8	3
29	Traces of Defects in the Electronic Structure of Porous NiÄ±Ti Alloys. Journal of Materials Science and Technology, 2013, 29, 344-348.	10.7	3
30	Synthesis and Characterization of a New 2-[(E)-[(4-aminophenyl)imino]methyl]-6-bromo-4-chlorophenol and Its Complexes with Co (II), Ni (II), Cu (II), and Zn (II): An Experimental and DFT Study. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 1337-1346.	0.6	3
31	Structural and optical properties of pure ZnO and Al/Cu co-doped ZnO semiconductor thin films and electrical characterization of photodiodes. Materialpruefung/Materials Testing, 2021, 63, 279-285.	2.2	3
32	Saf ZnO ve katkÄ±lÄ± ZnO:Alx:Mny ( x=1% at., y=1%, 2%, 3%, 5% at.) yarÄ± iletken ince filmlerin yapÄ±sal ve optiksel Å¶zellikleri ile Å¼retiletilen diyotlarÄ±n elektriksel Å¶zelliklerinin araÅ±tÄ±rÄ±lmasÄ±. Journal of the Faculty of Engineering and Architecture of Gazi University, 2022, 38, 163-174.	0.8	1
33	Effects of Sintering Temperature on Mechanical Properties and Biocompatibility of Porous TiZr Alloy Produced by Powder Metallurgy. Bilecik Åžeyh Edebali Ä±niversitesi Fen Bilimleri Dergisi, 2022, 9, 71-79.	0.6	1
34	Refactoring Code Clone Detection. , 2019, , .		0