

# Mehmet Kaya

## List of Publications by Year in descending order

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34  
papers

520  
citations

840776

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677142

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times ranked

510  
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#	ARTICLE	IF	CITATIONS
1	Saf ZnO ve katkılı ZnO:Alx:Mny ( x=1% at., y=1%, 2%, 3%, 5% at.) yarı iletken ince filmlerin yapısal ve optiksel özellikleri ile üretilen diyotların elektriksel özelliklerinin araştırılması. Journal of the Faculty of Engineering and Architecture of Gazi University, 2022, 38, 163-174.	0.8	1
2	Effects of Sintering Temperature on Mechanical Properties and Biocompatibility of Porous TiZr Alloy Produced by Powder Metallurgy. Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, 2022, 9, 71-79.	0.6	1
3	Fabrication, characterization, and in vivo biocompatibility evaluation of titanium-niobium implants. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2021, 235, 99-108.	1.8	13
4	Structural and optical properties of pure ZnO and Al/Cu co-doped ZnO semiconductor thin films and electrical characterization of photodiodes. Materialprüfung/Materials Testing, 2021, 63, 279-285.	2.2	3
5	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
6	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
7	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
8	Refactoring Code Clone Detection. , 2019, , .		0
9	A study on microstructure of porous TiNbZr alloy produced as biomaterial. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 742-746.	0.9	7
10	Microstructure characterization and biocompatibility behaviour of TiNbZr alloy fabricated by powder metallurgy. Materials Research Express, 2019, 6, 126560.	1.6	6
11	Zinc(II) phthalocyanine containing Schiff base containing sulfonamide: synthesis, characterization, photophysical, and photochemical properties. Journal of Coordination Chemistry, 2018, 71, 3763-3775.	2.2	15
12	Diffusion bonding between Ti-6Al-4V alloy and interstitial free steel. Materialwissenschaft Und Werkstofftechnik, 2017, 48, 661-665.	0.9	7
13	Thermomechanical cyclic stability of porous NiTi shape memory alloy. Materials Research Bulletin, 2017, 95, 243-247.	5.2	18
14	Akmal Malzeme Şekil Hafızalı Alaşınların Termodinamiği. Nevşehir Bilim Ve Teknoloji Dergisi, 2017, 6, 541-555.	7.6	55
15	Shape Memory Behavior of Porous NiTi Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 1499-1503.	2.2	14
16	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
17	Superelastic response of a single crystalline FeMnAlNi shape memory alloy under tension and compression. Acta Materialia, 2015, 89, 374-383.	7.9	89
18	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

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19	Alloying effect on K-shell fluorescence parameters of porous NiTi shape memory alloys. Journal of Electron Spectroscopy and Related Phenomena, 2014, 192, 55-60.	1.7	13
20	Traces of Defects in the Electronic Structure of Porous Niâ€“Ti Alloys. Journal of Materials Science and Technology, 2013, 29, 344-348.	10.7	3
21	A Study on Microstructure and Fabrication of Porous Mg-10Al Alloy. Materials and Manufacturing Processes, 2012, 27, 605-608.	4.7	9
22	Effect of Solution Treatment on Thermal Conductivity of Porous NiTi Shape Memory Alloy. International Journal of Thermophysics, 2011, 32, 665-673.	2.1	11
23	Phase transformation behaviours of porous NiTi SMA fabricated as hollow and solid cylinders by SHS. Materials Science and Technology, 2010, 26, 522-527.	1.6	17
24	The effect of the combustion channels on the compressive strength of porous NiTi shape memory alloy fabricated by SHS as implant material. Current Opinion in Solid State and Materials Science, 2010, 14, 21-25.	11.5	48
25	Effect of solution treatment under load on microstructure and fabrication of porous NiTi shape memory alloy by self-propagating high temperature synthesis. Powder Metallurgy, 2009, 52, 36-41.	1.7	10
26	The effect of austenitic interface layer on microstructure of AISI 420 martensitic stainless steel joined by keyhole PTA welding process. Materials & Design, 2009, 30, 661-664.	5.1	26
27	Interface characterisation of diffusion bonded Tiâ€“6Alâ€“4V alloy and austenitic stainless steel couple. Materials Science and Technology, 2009, 25, 556-560.	1.6	37
28	The effect of solution treatment under loading on the microstructure and phase transformation behavior of porous NiTi shape memory alloy fabricated by SHS. Journal of Alloys and Compounds, 2009, 475, 378-382.	5.5	36
29	A study on microstructure and porosity of NiTi alloy implants produced by SHS. Journal of Alloys and Compounds, 2009, 487, 605-611.	5.5	57
30	Mononuclear Chelates Derived from Substituted Schiff Base Ligands: Synthesis and Characterization of a New 3â€“Methoxysalicylidenâ€“ <i>p</i> -â€“Aminoacetophenoneoxime and its Complexes with Co(II), Ni(II), Cu(II), and Zn(II). Spectroscopy Letters, 2005, 38, 35-45.	1.0	20
31	Studies of lattice mismatch and threading dislocations in GaAs/Si grown by MBE. Superlattices and Microstructures, 2004, 35, 35-44.	3.1	11
32	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. Journal of Coordination Chemistry, 1999, 46, 479-490.	2.2	8
33	THE SYNTHESIS AND CHARACTERIZATION OF 10,11-BIS(HYDROXYIMINO)-4,8,12,17-TETRAAZA 1,2,19,20-O-DICYCLO-HEXYLIDENOCTACOSENE AND SOME TRANSITION METAL COMPLEXES. Journal of Coordination Chemistry, 1999, 48, 411-423.	2.2	7
34	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