

Vesselin Dimitrov

List of Publications by Year in descending order

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17
papers

2,539
citations

567281

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888059

17
g-index

17
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17
docs citations

17
times ranked

1561
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic oxide polarizability and optical basicity of simple oxides. I. Journal of Applied Physics, 1996, 79, 1736-1740.	2.5	936
2	Classification of Simple Oxides: A Polarizability Approach. Journal of Solid State Chemistry, 2002, 163, 100-112.	2.9	362
3	Electronic polarizability, optical basicity and non-linear optical properties of oxide glasses. Journal of Non-Crystalline Solids, 1999, 249, 160-179.	3.1	355
4	IR spectra and structure of V ₂ O ₅ -GeO ₂ -Bi ₂ O ₃ glasses. Journal of Non-Crystalline Solids, 1994, 180, 51-57.	3.1	205
5	Classification of oxide glasses: A polarizability approach. Journal of Solid State Chemistry, 2005, 178, 831-846.	2.9	176
6	Effect of Interionic Interaction on the Electronic Polarizability, Optical Basicity and Binding Energy of Simple Oxides.. Journal of the Ceramic Society of Japan, 1999, 107, 1012-1018.	1.3	119
7	Approach to thermal properties and electronic polarizability from average single bond strength in ZnO-Bi ₂ O ₃ -B ₂ O ₃ glasses. Journal of Solid State Chemistry, 2010, 183, 3078-3085.	2.9	74
8	Interionic Interactions, Electronic Polarizability and Optical Basicity of Oxide Glasses.. Journal of the Ceramic Society of Japan, 2000, 108, 330-338.	1.3	66
9	Polarizability, Optical Basicity and O 1s Binding Energy of Simple Oxides.. Journal of the Ceramic Society of Japan, 1999, 107, 21-26.	1.3	58
10	Electronic Ion Polarizability, Optical Basicity and Metal (or Nonmetal) Binding Energy of Simple Oxides.. Journal of the Ceramic Society of Japan, 1999, 107, 879-886.	1.3	46
11	Optical basicity and chemical bonding of Bi ₂ O ₃ containing glasses. Journal of Non-Crystalline Solids, 2013, 382, 18-23.	3.1	33
12	Thermo-Optic Properties and Electronic Polarizability in Alkali Tellurite Glasses. Journal of the American Ceramic Society, 2010, 93, 3223-3229.	3.8	26
13	Kinetics of Enthalpy Relaxation at the Glass Transition in Ternary Tellurite Glasses. Journal of the American Ceramic Society, 2000, 83, 1192-1198.	3.8	20
14	Features of electronic polarizability and approach to unique properties in tellurite glasses. International Journal of Applied Glass Science, 2020, 11, 253-271.	2.0	18
15	A review: A new insight for electronic polarizability and chemical bond strength in Bi ₂ O ₃ -based glasses. Journal of Non-Crystalline Solids, 2020, 550, 120365.	3.1	17
16	Correlation between thermal expansion coefficient and interionic interaction parameter in ZnO-Bi ₂ O ₃ -B ₂ O ₃ glasses. Journal of the Ceramic Society of Japan, 2018, 126, 8-15.		16
17	Temperature dependence of refractive index and electronic polarizability of KNbGeO ₅ glass and its nanocrystallized glasses. Journal of Applied Physics, 2009, 105, .	2.5	12