Name of the Teacher : Dr. V.B. Bhatkar

Citations	222	132
h-index	7	7
i10-index	3	3

Sr. No.	Title of Research Paper	Name of the Journal	Vol. No./ Page No./ Year	Impact factor if any
1	Host sensitized NIR emission in rare-earth doped NaY (MoO4) 2 phosphors	Journal of Alloys and Compounds	vol. 732, No. 3, pp 64-69 (2018).	4.175
2	PbCaB2O5 doped with Eu3+: A novel red emitting phosphor	Optical	vol. 45, pp 91-96 (2015)	2.687
3	Combustion synthesis and photoluminescence in novel red emitting yttrium gadolinium pyrosilicate nanocrystalline phosphor.	Journal of Alloys and Compounds 672, 653-659	vol.672, pp 653-659 (2011).	4.175
4	Evaluation of biological activities of nanocrystalline tetragonal zirconia synthesized via sol-gel method	Int J Pharm Pharm Sci 8, 125-131	Vol 8, pp 125-131.	0.23
5	NIR emitting K2SrCl4: Eu2+, Nd3+ phosphor as a spectral converter for CIGS solar cell	Optical Materials 79, 470-474	vol.79, pp 470-474 (2018)	2.687
6	Fabrication of polycaprolactone/zirconia nanofiber scaffolds using electrospinning technique	Journal of Polymer Research 24 (12), 232	vol.24, pp 232 (2012),	1.5
7	Facile combustion-derived LaPO4: Eu3+ nanosystem and its photoluminescence properties -	Indian Journal of Physics		1.242
8	Comparative study of nano-sized Al2O3 powder synthesized by sol-gel (citric and stearic	Optik 158, 1248-1254	vol. 158, pp. 1248–1254 (2018)	1.914

	acid) and aldo-keto gel method			
9	Quality Enhancement of Polycaprolactone/Hydroxyapatite Nanocomposite Scaffold using Novel In-situ Sol-Gel Method	Trends in Biomaterials & Artificial Organs	Vol.30, pp 126-133 (2016)	
10	Cr3+ sensitized near infrared emission in Al2O3: Cr, Nd/Yb phosphors	Journal of Alloys and Compounds	Vol. 790, pp 1192-1200 (2019)	4.175
11	Broad Band excited NIR emission in Li2CeO3: Nd/Yb phosphor for modification of solar spectrum.	Journal of Alloys and Compounds	Vol. 771, pp 534-540 (2019)	4.175
12	Near- infrared emitting Ca5(PO4)3Cl:Eu2+,Nd3+ phosphor for modification of the solar spectrum	Luminescence	Vol 33 pp 1288-1293 (2018)	2.961
13	Morphological and photoluminescence study of NaSrB5O9: Tb3+ nanocrystalline phosphor	Journal of Asian Ceramic Societies	Vol 6 pp 359-367 (2018)	
14	Ultra-violet to visible quantum cutting in YPO4: Gd3+, Tb3+ phosphor via down conversion	Materials discovery	Vol 7 pp 15-20 (2017)	
15	Synthesis, characterization and photoluminescence in novel lead calcium diborate doped with Mn 2+	Optik-International Journal for Light and Electron Optics	vol. 126 pp 4813-4816 (2016)	

16	SrB4O7:Sm2+ phosphor for solar photovoltaics	AIP Conference Proceedings	Vol 2104 pp 020021(2019)	
17	Luminescence in Ca10 (PO4) 6O: Eu2+, Nd3+	Optical Materials	Vol.84 pp 324-329 (2018)	
18	Luminescence in Sr2MgAl22O36:Eu2+ phosphor	AIP Conference Proceedings	Vol 1953 pp 070005 (2018)	
19	Rare earth activated NaY (MoO4)2 phosphors for NIR emission	AIP Conference Proceedings	Vol 1953 pp 070006 (2018)	
20	NOVEL PREPARATION METHOD AND LUMINESCENT PROPERTIES OF Eu 3 DOPED YBO3 PHOSPHOR UNDER VUV EXCITATION	International Journal of Science, Environment and Technology	Vol 4 pp 152-160 (2015)	
21	Combustion synthesis and optimization of Tb3+-doped AZr2 (PO4) 3 (A+= Li, Na, K) phosphors for mercury-free lamp and plasma display panels application	Journal of the Chinese Advanced Materials Society	Vol. 3 pp 300-309 (2015)	
22	VUV PROPERTIES OF Eu3+- DOPED YBO3 PHOSPHOR PREPARED VIA ALDO-KETO AND SOLID-STATE PROCESS	JOURNAL OF ADVANCES IN PHYSICS 7 (3), 1897-1905	Vol. 7 pp 1897-1905 (2015)	

23	NOVEL PREPARATION METHOD AND LUMINESCENT PROPERTIES OF Eu 3 DOPED YBO3 PHOSPHOR UNDER VUV EXCITATION	International Journal of Science, Environment and Technology 4 (1), 152 – 160	Vol. 4 pp 152-160 (2015)	

Name of the Teacher : **Dr. P.A. Nagpure**

Citations	95	80
h-index	5	5
i10-index	3	2

1	Energy Transfer and Visible Quantum Cutting in BaF2 co-doped with Gd3+, Eu3+ Phosphor synthesis via wet chemical method followed by Reactive Atmosphere Process	International Journal of Luminescence a nd applications	Vol.6 , Pages 131-134 (2016)	3.805
2	Red and blue emitting borate phosphor excited by near Ultraviolet Light	Journal of Optics	Vol. 46 pp 91-94 (2016)	
3	Visible quantum cutting in Tb3+ doped BaGdF5 phosphor for plasma display panel	Journal of Materials Science: Materials in Electronics	Vol. 28 PP 2407-2414(2016)	2.324
4	Synthesis and Electrochemical Study of Manganese Ferrite (MnFe2O4) Nanoparticles	International Journal of Current Research	Vol. 8, PP 35988-35991(2016)	3.52
5	Visible quantum cutting in green-emitting BaF2:Gd3+,Tb3+ phosphor: An approach toward mercury free lamps	St. Petersburg Poly technical University Journal: Physics and Mathematics Elsevier	Vol 3, (2017) P.P. 83-180	
6	The skin disorder Vitiligo curing with Phototherapy	IJRBAT, Special Issue 2 (ICRTS-17)	Vol5 (2017) P.P. 324-326	5.06

	Name of the Teacher: Dr. S.K. Sayyad **Citations** 25 25 **h-index** 2 2 **i10-index** 1 1			
Sr. No.	**Title of Research Paper**	**Name of the Journal**	**Vol. No./ Page No./ Year**	**Impact factor if any**
1	Percolation Effect of PZT-BNT Composite System on Sinterability and Dielectrics Behaviour in View of Development of LTCC	***Ferroelectrics***,	Vol 481, 2015	0.728
2	Structural and dielectric anomalies near the MPB region of Na0.5Bi0.5TiO3–SrTiO3 solid solution	***RSC Adv.***	Vol 5, 50644-50654 (2015)	3.049
3	Low temperature synthesis of complex solid solution (1-x)Bi0.5Na0.5TiO3–xBaTiO3 system: BT induced structural and dielectric anomalies in NBT	***Ferroelectrics***,		0.728
	Influence of Lead Glass on Different Properties of Lead Iron Niobate (PFN)	AIP Conference Proceedings	Vol 2104, pp 030056 (2019);	

Name of the Teacher: Dr. Pankaj P. Khirade

Citations	**218**	**218**
h-index	10	10
i10-index	10	10

Sr. No.	Title of Research paper	Name of the Journal	Vol.no./Page No./Year	Impact Factor
1	Multiferroic iron doped $BaTiO_3$ nanoceramics synthesized by sol-gel auto combustion: Influence of iron on physical properties	Ceramics International	Vol.42 pp 12441–1245, (2016)	3.450
2	Room temperature ferromagnetism and photoluminescence of multifunctional Fe doped $BaZrO_3$ nanoceramics	Journal of Alloys and Compounds	Vol.691, pp 287-298, (2017)	4.175
3	Synthesis, structural, morphological, optical and magnetic properties of $Zn_{1-x}Co_xO$ ($0 \leq x \leq 0.36$) nanoparticles synthesized by sol-gel auto combustion method	Journal of Alloys and Compounds	Vol.683, pp 513-526, (2016)	4.175
4	Sol-gel auto combustion synthesis, electrical and dielectric properties of $Zn_{1-x}CoxO$ ($0.0 \leq x \leq 0.36$) semiconductor nanoparticles	Journal of Alloys and Compounds	Vol.691, pp 355-363, (2017)	4.175
5	Effect of Fe – substitution on phase transformation, optical, electrical and dielectrical properties of $BaTiO_3$ nanoceramics synthesized by sol-gel auto combustion method	Journal of Electroceramics	Vol.37.1-4: pp 110-120. (2016)	1.966
6	Structural, electrical and dielectrical property investigations of Fe-doped $BaZrO_3$ nanoceramics	Journal of Electronic Materials	Vol.45(6), pp 3227-3235, (2016)	1.676
7	Investigations on the synthesis, structural and microstructural characterizations of Ba_{1-}	Ferroelectrics	Vol. 1, pp 216-229, (2016)	0.728

	$_xSr_xZrO_3$ nanoceramics			
8	Structural, microstructural and magnetic properties of sol-gel synthesized novel $BaZrO_3 – CoFe_2O_4$ nanocomposite	Journal of Nanostructure in Chemistry	Vol.9, pp. 1-11, (2019)	---
9	Presence of intrinsic defects and transition from diamagnetic to ferromagnetic state in Co^{2+} ions doped ZnO nanoparticles	Journal of Materials Science: Materials in Electronics	Vol. 27, pp 5575–5583, (2016)	2.195
10	Structural, microstructural and magnetic studies on magnesium (Mg^{2+})-substituted $CoFe_2O_4$ nanoparticles	Journal of Superconductivity and Novel Magnetism	Vol.29, pp 1025–1032, (2016)	1.130
11	Structural, magnetic and dielectrical properties of Al-Cr co-substituted M-type barium hexaferrite nanoparticles	Journal of Molecular Structure	Vol. 1106, pp 460-467, (2016)	2.120
12	Electrical and dielectrical properties of low-temperature-synthesized nanocrystalline Mg^{2+}-substituted cobalt spinel ferrite	Journal of Superconductivity and Novel Magnetism	Vol.28, pp 3351–3356, (2015)	1.130
13	Influence of Al–Cr co-substitution on physical properties of strontium hexaferrite nanoparticles synthesized by sol–gel auto combustion method	Journal of Materials Science: Materials in Electronics	Vol. 28(1), pp 407-417, (2017)	2.195
14	Effect of iron oxide (Fe_2O_3) on the structural, optical, electrical and dielectric properties of $SrO-V_2O_5$ glasses	Glass Physics and Chemistry,	Vol.43(4), pp.302-312, (2017)	0.672
15	Effect of Fe^{3+} substitution on structural and magnetic properties of barium titanate nanoceramics	Bionano Frontiers	Vol.8 (3), 154-156, (2015)	---
16	Structural, Electrical, Dielectric and Magnetic Properties of Al^{3+} Substituted Ni-Zn Ferrite", A. V. Raut	Journal of Superconductivity and Novel Magnetism	Vol.29, pp.1331–1337, (2016)	1.130

17	Structural, Microstructural, Magnetic, and Ferroelectric Properties of Ba^{2+}-Doped $BiFeO_3$ Nanocrystalline Multifferroic Material	Journal of Superconductivity and Novel Magnetism	Vol.31, no. 8, pp 2501-2509, (2018)	1.130
18	Temperature dependent viscosity of cobalt ferrite/ethylene glycol ferrofluids	AIP Conference Proceedings	Vol. 1942, no. 1, pp. 050044.	---
19	Doping Effect of Fe Ions on the Structural, Electrical, and Magnetic Properties of $SrTiO_3$ Nanoceramic Matrix	Journal of Superconductivity and Novel Magnetism	Vol.32(5), pp.1395-1406, (2018)	1.130
20	Rietveld refinement and electrical properties of $LiTiFeO_4$	AIP Conference Proceedings,	Vol. 1832, no. 1, pp. 050123. (2017).	---

Name of the Teacher: Dr. V. V. Deshmukh				
Sr. No.	**Title of Research paper**	**Name of the Journal**	**Vol.no./Page No./Year**	**Impact Factor**
1	Synthesis and electrochemical study of manganese ferrite $MnFe_2O_4$ Nanoparticles	International Journal of Current Research	Vol. 8, pp.35988-35991, (2016)	--
2	Characterization of Multicomponent Perovskite Oxide La0.8Sr0.2Co 0.9Fe 0.1O3-δ Nanoparticles for Supercapacitor	International Journal of Fuzzy Mathematics and Systems.	Volume 7, Number 1 (2017), pp. 33-47	---

Name of the Teacher: Dr. Naresh Sarkar

Citations	**7**	**7**
h-index	2	2
i10-index	0	0

Sr. No.	Title	Name of Journal	Volume	Page	Year	IP
1	A Review of Nanoferrites: Synthesis and Application in Hyperthermia	International Journal of Advanced Scientific and Technical Research	Vol.5 pp. 69-75 (2015)			3.94
2	Role of Thickness and Surface Recombination on Simulation of Solar Cell using Pc1D	International Journal of Advanced Scientific and Technical Research	Vol.5 pp.11-14 (2015)			3.94
3	Structural and Magnetic Study of Zr4+ Substituted Magnesium Ferrite Nano-particles	Journal of Physical Sciences	Vol.22 pp.107-113 (2017)			0.64
4	Structural and magnetic properties of zr-substituted ni zn co ferrite nanoparticle	International Journal of Advance and Innovative Research	Vol.4 pp.94-97 (2017)			3.25
5	Structural and magnetic studies of (Ni0.5 M0.5 Fe2O4) where M = Zn, Cu	Ferroelectrics (Taylor & Francis)	Vol.,519 pp.209-212 (2017)			0.78
6	Cation Distribution of $Zn_{0.5}Me_{0.5}Fe_2O_4$ (Me = Co, Ni and Cu) on the Basis of Rietveld Refinement and Magnetization Measurement.	Material Science Research India	Vol.14 pp.169-175 (2017)			0.565
7	Structural, Magnetic-Electrical Behavior of Zr substituted Ni–Zn Spinel	Research Journal of Science and Technology	Vol.10 pp.1-6 (2018)			0.2

	Ferrite			
8	Effect of zr^{4+} doping on curie temperature, structural and magnetic properties of Mg-Cr nano-ferrite	Indian Journal of Scientific Research	Vol.8 pp.109-115 (2018)	0.19
9	Electrical resistivity studies of zr-mg doped chromium spinel ferrites	International Journal of Advanced Research Trends in Engineering and Technology	Vol.5 pp.461-465 (2018)	1.02
10	Synthesis of nanocrystalline $Ca_2Cu_2Fe_{12}O_{22}$ Y-type hexaferrites by the sol–gel combustion method in metal nitrates system	Ferroelectrics (Taylor & Francis)	Vol.526 pp.187-192 (2018)	0.78
11	Effect of Ni+2 Substitution on Structural and Electrical Behaviour of Nano-Size Cadmium Ferrit	Materials Today: Proceedings (Elsevier)	Vol. 5/10P3 pp.22669–22674 (2017)	0.28
12	Magnetic and Structural Investigation of Ni1-xZnxFe2O4 (x = 0, 0.6, 0.8, 1) Spinel Ferrite Synthesized by Sol-Gel Auto Combustion Method	Journal of Physical Sciences	Vol.23 pp.111-115 (2018)	0.64

Dr. S. S. Arsad

Sr. No.	1	2	3	4	5	6	7
	Title of book/chapters published	Title of paper	National/ Inter-national	Year of publication	ISBN/ISSN no. of proceedings	Name of publisher	Relevant link
1.	A TextBook of Physics Sem II- Chapter III	Kinetic theory, thermodynamics, electric currents	National	2014	978-81-905776-250-5	Nabhaprakashan,shyam nagar ,Amravati	www.nabhprakashan@gmail.com
2.	A TextBook of Physics Sem III- Chapter I	Electrostatics, Magnetostatics, Maxwell Equations	National	2016-17	978-81-905776-102-6	Nabhaprakashan,shyam nagar ,Amravati	www.nabhprakashan@gmail.com
3.	A TextBook of Physics Sem IV Chapter IV	Fiber Optics	National	2016-17	978-81-905776-102-7	Nabhaprakashan,shyam nagar ,Amravati	www.nabhprakashan@gmail.com
4.	A TextBook of Physics Sem V Chapter I	Quantum Mechanics -I	National	2016-17	978-81-905776-104-4	Nabhaprakashan,shyam nagar ,Amravati	www.nabhprakashan@gmail.com
5.		A clinical study of selective treatment of vitiligo with eximer lamp Pp 75-77	International	2018	2393-9374	TROI	http://troindia.in/

Dr.Naresh Sarkar

Book Name	Chapter Title	Author's Name	Editors Name	Volume	Publisher	DOI	Year of Publication
Magnetic Oxide and Composite	Soft Ferrite: A Brief Review on Structural, Magnetic Behavior of Nanosize Spinel Ferrites	**N. N Sarkar**	Rajshree B. Jotania, Sami H. Mahmood	31	Materials Research Forum LLC **@ United States of America (USA)**	DOI: 10.21741/9781945291692	2018