

CV GIST

CUMULATIVE IMPACT FACTOR: OVER ALL 150+

2022-23 Cumulative Impact Factor: 75

2013-22 Cumulative Impact Factor: 48

Accepted papers in 2023 Impact Factor: 28



Dr.K.SenthilKannan obtained Bachelor's Degree (**B.Sc.,**) in Physics from Thiru.Vi.Ka.Govt.College, Tiruvarur TN, India - affiliated to the Bharathidasan University, Trichy in 1998 and He has passed the **UGC (SLET)** examination - an eligibility test for **Lectureship** in his first attempt in 1999; Master's Degree (**M.Sc.,**) in Physics from A.V.V.M. Sri Pushpam College, Poondi, Thanjavur TN, India - affiliated to the Bharathidasan University, Trichy and got **Goldmedal** in M.Sc Degree in 2000. He obtained **M.Phil** degree in Physics from M.S.University, Tirunelveli, TN, India in 2002. , also He has completed **M.B.A., PGDCA., B.Ed., C.I., M.A., D.C.A.,** and **D.C.H.** Also awarded (**Doctrine of Letters**) **D.Litt.,** for his academic and research provision and achievements. He is having **24** years of experience in Teaching and **16+** years (**2 years – M.Phil., & 14+ Years – Ph.D.,**) of research experience. He has **published 520+** papers in **International Journals – (200 - UGC AND OTHERS, 100-UGC-CARE LISTED, 100 - SCOPUS & 100+-WEB OF SCIENCE.... & FEW** paper in **National Journal** and **communicated 25+** papers in International / National Journals. He has presented **580+** papers in National and International level Conferences,

Seminars... during his academic career. He has completed his **Ph.D** degree with **Highly Commended recommendation** of the Thesis submitted in 2014. He has presented more than **100+** papers in Conferences/Seminars and mainly '**Invited talks**' at **M K University, Madurai** in February 2012 and at **Sairam Engg. College, Chennai** in October 2013, **SRM Easwari Engg. College Chennai in 2017** and **SSN College Chennai, AMET University Chennai and Periyar University Salem** and at **Pt.Ravishankar Shukla University Raipur** in 2018 and **BIT Bhilai, SSN College Chennai 2019, Govt. College Tiruvannamali 2019 and Kalinga University Chattisgarh 2019, YSC conference Kolkatta in 2019, Nagpur University – Nagpur, Maharashtra 2020, KCTech in 2020....** Also he is the **online Trainer cum resource person for conferences, webinars and FDP and other events** for **Kalasalingam UNIV. Srivilliputhur 2020 and MEDI-CAPS Univ. Indore 2020 and St.Eugene Univ. Africa in 2020.....**He acted as a resource person for more than **300+** student's projects. He got the **Best Paper award** for oral presentation in Conferences. He has published **25+** books and having **25+** book chapters in his academic career. He has guided more than **200+ Students Projects** in his academic extent and also he has given more than **17000** academic lectures in physical sciences. He is the **Life time** member for **many associations**. He is the **Journal Reviewer/Editorial Member** for **many** Journals of International repute including **Elsevier / Springer Nature** of higher impact. He has attended many **Faculty Development Programme (FDPs)** in his teaching career. He is the **visiting Faculty** at many of the Arts and Engineering Colleges.

Received the sum of **Rs.43.54 Lakhs** as funding from different agencies, and applied for **GOI** funding around **Rs.605 Lakhs** funds through proposals and he has organized **25+** National & International events in **India** & in **Abroad**. He has guided **100+ M.Sc and 15 M.Phil** Scholars and guiding **Research scholars for M.Phil & Ph.D, Postdoc.**

His publications are in:

*Ultrasonics, Spectroscopy, Materials science,
Crystal growth, Crystallography, New materials, Nano
materials, Thin films, Bio Materials...*

Countries Visited

Oman, Zambia, Harare, Zimbabwe, Addis-Ababa, Singapore, Malaysia, Tanzania, Srilanka, Vietnam, Taiwan, Indonesia & Bangkok - Thailand.

AWARDS

- 1. BEST RESEARCH SCIENTIST AWARD - 2023**
- 2. BEST DEAN R&D AWARD – India - 2018**
- 3. BEST VICE PRINCIPAL AWARD – India - 2018**
- 4. BEST INDIAN EDUCATIONIST AWARD – India – 2018**
- 5. RECEIVED BEST ACADEMICIAN AWARD India - 2018**
- 6. RECEIVED GLOBAL SCIENTIST AWARD – Malaysia – 2018**
- 7. RECEIVED HIGHEST RESEARCH PAPERS PUBLICATION
AWARD FOR 2018 – RECEIVED IN FEB 2019**
- 8. RECEIVED SENIOR SCIENTIST AWARD FROM MINISTRY
OF COMMERCE & INDUSTRIES – GOI. 2019**

https://scholar.google.com/citations?hl=en&user=T9a_3v4AAAAAJ

https://www.researchgate.net/profile/Senthilkannan_K

<https://www.scopus.com/authid/detail.uri?authorId=58535033000>

H INDEX 27

I 10 INDEX 81

I 20 INDEX 52

CITATIONS 2200

By Google scholar citations

H INDEX 23

CITATIONS 1150

By Scopus citations

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Dr SenthilKannan.K

<https://orcid.org/0000-0002-8935-6470>

[Scopus Author ID: 58535033000](#)

2022-2023 till date

**Synthesis, in-silico mapping for anti-cancer proviso, hardness studies of D-gluconic acid monohydrate crystals for usage in electronic, mechanical and biological sectors - Heliyon Journal
Corresponding author, Impact factor:4.0
Accepted - Oct 2023 10.1016/j.heliyon.2023.e20941**

**Synthesis, Characterizations of HDTDHP Macro-Crystals by Experimental-Electrical, Electronic and Computational Structural Proviso for Opto-Electronic and Photonic Utilities
ECS Journal of Solid State Science and Technology 26 Sep 2023
DOI 10.1149/2162-8777/acfd5d
Corresponding author, Impact factor:2.2**

**Synthesis, physical, chemical, biological, mechanical and electronic studies of polypyrrole (PPy) of versatile scales for electro-mechano, pharmaceutical utilities - Heliyon Journal
Corresponding author, Impact factor:4.0
Accepted - Sept 2023 10.1016/j.heliyon.2023.e20086**

**Growth and Characterizations of Red Bromide: The Pleochroism Based Crystals for Bio-Medicinal, Electronic and Mechano Uses - Springer book Chapter
Accepted - Sept 2023 10.1007/978-981-99-2808-8_9**

**Synthesis and Studies of TTAHOT: Macro, Micro and Nano Crystalline Composite for Electronic and Bio-Medicinal Use - Springer book Chapter
Accepted - Sept 2023 10.1007/978-981-99-2808-8_8**

**Physical-chemical properties of Biodiesel - Diesohol blends:
Ultrasonic and molecular simulation studies, August 2023**

Journal of Molecular Liquids DOI: 10.1016/j.molliq.2023.122755
Impact factor:6

Growth, studies of milled and irradiated crystalline samples of DBNT for macro-phonic and electro-mechano functionalities
August 2023; Heliyon: DOI:10.1016/j.heliyon.2023.e19009
Corresponding author, Impact factor:4.0

Synthesis, Macro-Dielectric, Electronic μ -Influx, Voltage Controlling and Computational Studies of Novel Aromatic Cyclic AMPF Crystals
June 2023; Polycyclic Aromatic compounds;
10.1080/10406638.2023.2223337
Corresponding author, Impact factor:2.4

Facile Fabrication of Room Temperature Based H₂S Gas Sensor Using ZTO-Ag@PPy Hybrid Nanocomposite; May 2023
Journal of Inorganic and Organometallic Polymers and Materials 33(9):1-13
DOI:10.1007/s10904-023-02650-8
Corresponding author, Impact factor:4.0

Synthesis, Characterizations of Macro, Micro, Irradiated Crystals of KDP, the Standard Non-linear Optical Reference Material for Mechano, Photonic, Electronic Uses May'23 Chemistry Africa
Doi:10.1007/s42250-023-00700-9
Corresponding author, Impact factor:2.6
Tribological, Biomedical Studies of 4-Bromo-4'-Chloro Benzyldiene Aniline Macro-crystals for Photonic, Mechano, Electronic-displays and Pharma Applications; May 2023; Polycyclic Aromatic Compounds; DOI:
10.1080/10406638.2023.2209253
Corresponding author, Impact factor:2.4

Characterizations of Zinc Acetate micro-crystals (ZAp) and Co-60 irradiated micro-crystals (GZAp) for photonic and electro-optic Relevances; May 2023; Journal of Materials Science: Materials in Electronics 34(14); DOI: 10.1007/s10854-023-10550-3
Corresponding author, Impact factor:2.779

Characterizations of AMPF Micro-Crystals for Photonic, Dielectric, Nano-Influx and Anti-diabetic Relevances
April 2023 Acta Physica Polonica Series a
143(4):309-315 10.12693/APhysPolA.143.309
Corresponding author, Impact factor: 0.9

Biomolecules influences on the physiochemical characteristics of ZnO nanoparticles and its enhanced photocatalysis under solar irradiation

February 2023 Nanotechnology for Environmental

Engineering 8(2017):3

10.1007/s41204-023-00310-3

- **Characterizations of pure and Co-60 irradiated DFC crystals by experimental and computational approaches - Journal of Materials Science: Materials in Electronics –**
Corresponding author, Impact factor:2.779
Accepted
- **Electronic, nano-dielectrics, mass and fluorescence spectral characterizations of 2-Amino4-Methyl Pyridinium Fumarate novel crystals for use in opto-electronics and electronic displays Journal of Materials Science: Materials in Electronics**
- **Corresponding author, Impact factor:2.779**
Accepted DOI: 10.1007/s10854-023-10158-7
- **Growth, electrical, electronic, NLO, spectral, SEM studies of LA crystals of macro, micro-scales for utilization in devices, displays and in micro-photonics Journal of Materials Science: Materials in Electronics**
2023 | journal-article
- **Corresponding author, Impact factor:2.779**
 - DOI: [10.1007/S10854-022-09586-8](https://doi.org/10.1007/S10854-022-09586-8)
 - WOSUID: [WOS:000913602500024](https://www.wosid.com/WOS:000913602500024)**Source: Web of Science**
-
- **Growth, mechanical hardness, stiffness, tribological, morphological, electrical and electronic studies of inorganic tri caesium di-molybdate (VI) bromide TCDMB crystals of versatile scales for mechanoelectronic engineering and photonic uses Journal of Materials Science: Materials in Electronics**
2023 | journal-article
- **Corresponding author, Impact factor:2.779**
 - DOI: [10.1007/S10854-022-09505-X](https://doi.org/10.1007/S10854-022-09505-X)
 - WOSUID: [WOS:000927840200039](https://www.wosid.com/WOS:000927840200039)**Source: Web of Science**
-
- **Antidiabetic, Anti-Oxidant, Computational, Filter, and Tribological Characterizations of Bis Glycine Lithium Bromide Monohydrate**

Nano (32 nm) Scaled Crystals Nanovaccinology as Targeted Therapeutics

2022-07 | other

▪ DOI: [10.1002/9781119858041.ch9](https://doi.org/10.1002/9781119858041.ch9)

- **Biocurative, Tribological, Electro-Functionalities of ZnO-MIZN Nanoparticles Nanovaccinology as Targeted Therapeutics**

2022-07 | other

▪ DOI: [10.1002/9781119858041.ch11](https://doi.org/10.1002/9781119858041.ch11)

•

- **Biological Effect Nanotubular, Vanderwall's Impact, of 4-Methyl-2-Nitroaniline (4M2NA) Nanocrystals Nanovaccinology as Targeted Therapeutics**

2022-07 | other

▪ DOI: [10.1002/9781119858041.ch15](https://doi.org/10.1002/9781119858041.ch15)

•

- **Biological, Electronic-Filter, Influx and Theoretical Practicalities of 2-Chloro-6-Nitroaniline (2C6NA) Crystals for Biomedical and Microelectronics Tasks Nanovaccinology as Targeted Therapeutics**

2022-07 | other

▪ DOI: [10.1002/9781119858041.ch8](https://doi.org/10.1002/9781119858041.ch8)

•

- **Biomedical and Electronic Tune-Ups of 2C4NA Nanocrystalline Sample Nanovaccinology as Targeted Therapeutics**

2022-07 | other

▪ DOI: [10.1002/9781119858041.ch7](https://doi.org/10.1002/9781119858041.ch7)

- **Biomedical, Tribological, and Electronic Functionalities of Silver Nanoparticles Nanovaccinology as Targeted Therapeutics**

2022-07 | other

▪ DOI: [10.1002/9781119858041.ch16](https://doi.org/10.1002/9781119858041.ch16)

- **Device Utility, Energy, and Bioutilility of N2MNM4MBH Macro, Nano Models Nanovaccinology as Targeted Therapeutics**

2022-07 | other

▪ DOI: [10.1002/9781119858041.ch10](https://doi.org/10.1002/9781119858041.ch10)

- **Nano, Peptide Link, Pharma Impact and Electron Density of AMPHB Macro, Nano Crystalline Samples Nanovaccinology as Targeted Therapeutics**

2022-07 | other

▪ DOI: [10.1002/9781119858041.ch13](https://doi.org/10.1002/9781119858041.ch13)

- **Nanotubular Device Effect, Super Cell Effectiveness, Hirshfeld Energy Analysis and Biomedicinal Efficacy of 2-Fluoro-5-Nitro-Aniline (2F5NA) Crystals Nanovaccinology as Targeted Therapeutics**

2022-07 | other

- DOI: [10.1002/9781119858041.ch12](https://doi.org/10.1002/9781119858041.ch12)
- **Super Lattice, Computational Interactions and Bio-Uses of CPDMDP Crystals Nanovaccinology as Targeted Therapeutics**
2022-07 | other
 - DOI: [10.1002/9781119858041.ch14](https://doi.org/10.1002/9781119858041.ch14)
 Source: SenthilKannan.K
- **Characterizations, physio-chemical and biological evaluation of novel nanostructure hydroxyapatite synthesized by conventional method using egg shell and by green synthesis method using Melia dubia extract Inorganic Chemistry Communications**
2022-06 | journal-article
- **Corresponding author, Impact factor:3.428**
 - DOI: [10.1016/j.inoche.2022.109480](https://doi.org/10.1016/j.inoche.2022.109480)
 - Part of ISSN: [1387-7003](https://www.elsevier.com/locate/0020-7179)
- **Domestic microwave supported green synthesis of ZnO nanoparticles for electronic, mechano, rheological and frequency intensifying applications Journal of materials science – Materials in Electronics**
- **Co-author, Impact factor:2.779**
2022-05-23 | journal-article
 - DNB: [1265072493](https://nbn-resolving.org/urn:nbn:de:hbz:5-65868-p0111-7)
 - URN: [urn:nbn:de:101:1-2022081019194754098191](https://nbn-resolving.org/urn:nbn:de:hbz:5-65868-p0111-7)
 - DOI: [10.1007/s10854-022-08344-0](https://doi.org/10.1007/s10854-022-08344-0)
 Source: SenthilKannan.K via Deutsche Nationalbibliothek (DNB)
-
- **Synthesis, experimental and computational characterizations of 8,9-dimethoxybenzo[b]naphtho[2,3-d] thiophene (DBNT) crystals for electro-mechano utilities Inorganic Chemistry Communications**
2022-04 | journal-article
- **Corresponding author, Impact factor:3.428**
 - DOI: [10.1016/j.inoche.2022.109249](https://doi.org/10.1016/j.inoche.2022.109249)
 - Part of ISSN: [1387-7003](https://www.elsevier.com/locate/0020-7179)
 Source: SenthilKannan.K
-
- **In situ grown ZnO nanoparticles using Begonia leaves–dielectric, magnetic, filter utility and tribological properties for mechano-electronic applications Applied Physics A**
- **Corresponding author, Impact factor:2.983**
2022-03 | journal-article
 - DOI: [10.1007/s00339-022-05371-w](https://doi.org/10.1007/s00339-022-05371-w)
 - Part of ISSN: [0947-8396](https://www.elsevier.com/locate/0947-8396)
 - Part of ISSN: [1432-0630](https://www.elsevier.com/locate/1432-0630)

Source: SenthilKannan.K

-
- **Advanced technologies on the sustainable approaches for conversion of organic waste to valuable bioproducts: Emerging circular bioeconomy perspective Fuel**
- **Co-author, Impact factor:8.035**
-

2022 | journal-article

- DOI: [10.1016/j.fuel.2022.124313](https://doi.org/10.1016/j.fuel.2022.124313)
- EID: 2-s2.0-85131715851
- Part of ISSN: [00162361](https://doi.org/10.1016/j.fuel.2022.124313)

Source: SenthilKannan.K *via* Scopus - Elsevier

- **Comparative analysis of commercial and herbal extorted cough syrups in Tamilnadu (South India) Zone - An investigation by methodologies of spectral way and high frequency (ultrasonic) waves to predict samples efficacy**

2022 | journal-article

- DOI: [10.1063/5.0070795](https://doi.org/10.1063/5.0070795)
- Part of ISSN: [0094-243X](https://doi.org/10.1063/5.0070795)

Source: SenthilKannan.K

-
- **Computational-elemental calculations, structural-computational effectiveness and bio utility of the alphaphenyl-4'-(diphenylamino) stilbene (APDPAS) crystalline samples of versatile scaling**

2022 | journal-article

- DOI: [10.1063/5.0108058](https://doi.org/10.1063/5.0108058)
- Part of ISSN: [0094-243X](https://doi.org/10.1063/5.0108058)

-
- **Crystallographic, structural elucidation and electronic interactions of novel ampf crystals for biomedical use by theory and practice as an anti-diabetic agent Results in Chemistry**

2022 | journal-article

- DOI: [10.1016/j.rechem.2022.100424](https://doi.org/10.1016/j.rechem.2022.100424)
- EID: 2-s2.0-85134357837
- Part of ISSN: [22117156](https://doi.org/10.1016/j.rechem.2022.100424)

Source: SenthilKannan.K *via* Scopus - Elsevier

-
- **Enactment by computational-structural and by the experimental studies of 2-hydroxyimino-2-(pyridin-2-yl)-N'-[1-(pyridin-2-yl) ethylidene] acetohydrazide – HIPYPYEAH crystalline specimen**

- DOI: [10.1063/5.0108293](https://doi.org/10.1063/5.0108293)
- Part of ISSN: [0094-243X](https://doi.org/10.1063/5.0108293)

- **Facile synthesis of rock candy shaped silver doped zinc oxide and its anti-diabetic activityAIP Conference Proceedings**

2022 | conference-paper

- DOI: [10.1063/5.0074617](https://doi.org/10.1063/5.0074617)

Source: Web of Science

-
- **Gamma ray-irradiated induced effects on SCN ligand-based MMTC single crystals for optoelectronic applications synthesized by SR method Journal of Materials Science: Materials in Electronics**
- **Co-author, Impact factor:2.779**
2022 | journal-article
 - DOI: [10.1007/S10854-022-08873-8](https://doi.org/10.1007/S10854-022-08873-8)
 - WOSUID: [WOS:000841121800001](https://www.wosid.org/WOS:000841121800001)

Source: Web of Science

-
- **Growth and studies of (E)-N'-(5-bromo-2-hydroxybenzyl-idene) nicotine hydrazide monohydrate (ENBHNHM) crystals**
2022 | journal-article
 - DOI: [10.1063/5.0108051](https://doi.org/10.1063/5.0108051)
 - Part of ISSN: [0094-243X](https://www.issn.org/0094-243X)
- **Synthesis and characterizations of diethyl 3,4-bis (2,5-dimethoxybenzyl)thieno[2,3-b]thiophene-2,5-dicarboxylate - DBDTTDO crystals of macro and nano scalesAIP Conference Proceedings**
2022 |
 - DOI: [10.1063/5.0074223](https://doi.org/10.1063/5.0074223)
 - EID: 2-s2.0-85131183527
 - Part of ISSN: [15517616](https://www.issn.org/15517616) [0094243X](https://www.issn.org/0094243X)
- **Synthesis and diffraction, computational exposure, hardness and interaction studies of EN2MNYM3NA crystalline material for mechanized, electronic and bio utilities Materials Today: Proceedings**
2022 | journal-article
 - DOI: [10.1016/j.matpr.2022.05.058](https://doi.org/10.1016/j.matpr.2022.05.058)
 - EID: 2-s2.0-85130478656
 - Part of ISSN: [22147853](https://www.issn.org/22147853)
- **Synthesis and studies of the zinc acetate (ZA) crystal for dielectric, nano-photonics and electronic applications Journal of Materials Science: Materials in Electronics**
- **Corresponding author, Impact factor:2.779**
2022 | journal-article
 - DOI: [10.1007/s10854-022-08787-5](https://doi.org/10.1007/s10854-022-08787-5)
 - EID: 2-s2.0-85135448769
 - Part of ISSN: [1573482X](https://www.issn.org/1573482X) [09574522](https://www.issn.org/09574522)
-
- **Synthesis, characterizations of D32DMBC-crystals for applications in biomedical, tribological, electronic filters and in device constructions by theory and practice Journal of Nonlinear Optical Physics and Materials**

- **Corresponding author, Impact factor:0.981**
2022 | journal-article
 - DOI: [10.1142/S0218863523500194](https://doi.org/10.1142/S0218863523500194)
 - WOSUID: [WOS:000849380500002](https://www.wosid.org/WOS:000849380500002)
 - **Synthesis, studies of 2-benzyl-amino-4-p-tolyl-6,7-di-hydro 5H-cyclo-penta-[b]pyridine-3 carbo-nitrile (BAPTDHCPCN) crystals for optical, photonic and mechano-electronic uses Journal of Materials Science: Materials in Electronics**
 - **Corresponding author, Impact factor:2.779**
2022 | journal-article
 - DOI: [10.1007/S10854-022-08770-0](https://doi.org/10.1007/S10854-022-08770-0)
 - WOSUID: [WOS:000833995700001](https://www.wosid.org/WOS:000833995700001)
 -
 - **Synthesis, theoretical structural explication, super cell configuration, Hardness, tribological data and void space illustration of Creatininium hydrogen maleate - CHM crystal by softwares and by experimental techniques Materials Today: Proceedings**
2022 | journal-article
 - DOI: [10.1016/j.matpr.2022.04.768](https://doi.org/10.1016/j.matpr.2022.04.768)
 - EID: 2-s2.0-85129929235 Part of ISSN: [22147853](https://www.elsevier.com/locate/mtpr)
- Source:** SenthilKannan.K *via* Scopus - Elsevier

2013-2021 Dec

- - **Structural, thermal, optical and dielectric studies of V₂O₅/WO₃ nano composites prepared by microwave-assisted hydrothermal method***Applied physics*
2021-11-27 | journal-article
 -
 - DNB: [1252145497](#)
 - URN: [urn:nbn:de:101:1-2022021905351816744870](#)
 - DOI: [10.1007/s00339-021-05101-8](#)**Source:** SenthilKannan.K *via* Deutsche Nationalbibliothek (DNB)
- - **Growth, characterizations, and the structural elucidation of diethyl-2-(3-oxoiso-1,3-dihydrobenzofuran-1-ylidene)malonate crystalline specimen for dielectric and electronic filters, thermal, optical, mechanical, and biomedical applications using conventional experimental and theoretical practices***Journal of materials science*
2021-08-18 | journal-article
 -
 - DNB: [1246423464](#)
 - URN: [urn:nbn:de:101:1-2021112419182915980475](#)
 - DOI: [10.1007/s10854-021-06761-1](#)**Source:** SenthilKannan.K *via* Deutsche Nationalbibliothek (DNB)
- - **Cu²⁺ substituted Cr₂O₃ nanostructures prepared by microwave-assisted method: an investigation of its structural, morphological, optical, and dielectric properties***Journal of sol gel science and technology*
2021-08-13 | journal-article
 -
 - DNB: [1245675974](#)
 - URN: [urn:nbn:de:101:1-2021111218492097247610](#)
 - DOI: [10.1007/s10971-021-05596-w](#)**Source:** SenthilKannan.K *via* Deutsche Nationalbibliothek (DNB)
- - **Green synthesis of V₂O₅/ZnO nanocomposite materials for efficient photocatalytic and anti-bacterial applications***Applied nanoscience*
2021-06-10 | journal-article
 -
 - DNB: [124236630X](#)
 - URN: [urn:nbn:de:101:1-2021100220402277689523](#)
 - DOI: [10.1007/s13204-021-01923-3](#)**Source:** SenthilKannan.K *via* Deutsche Nationalbibliothek (DNB)
-

- **Synthesis, growth, XRD, NLO, CHNSO, computational-structural, dielectric, photoconductivity, hardness and biostudies of diethyl 2-amino-5-4-[bis (4-methyl phenyl) amino] benzamido} thiophene-3,4-dicarboxylate (DABMPABTD) macro-, nano crystals for device fabrication, pharma, electronic uses**Journal of materials science
2021-05-18 | journal-article

-
- DNB: [1242720057](#)
- URN: [urn:nbn:de:101:1-2021100723321200488639](#)
- DOI: [10.1007/s10854-021-06100-4](#)

Source: SenthilKannan.K via Deutsche Nationalbibliothek (DNB)

-
- **Synthesis, growth, XRD, NLO, CHNSO, structure by theoretical approach, dielectric, absorbance, photoconductivity and bio studies of 4-(4-Acetyl-5-Methyl-1H-1, 2, 3-Triazol-1-yl) Benzonitrile crystals for optical, opto-electronic, and photonics utilities**Journal of materials science
2021-04-27 | journal-article

-
- DNB: [1241935939](#)
- URN: [urn:nbn:de:101:1-2021092606272190147068](#)
- DOI: [10.1007/s10854-021-05960-0](#)

Source: SenthilKannan.K via Deutsche Nationalbibliothek (DNB)

-
- **Growth and XRD, Elemental, Mechanical, Dielectric, Optical and Photoconductivity, and Surface Morphological Characterizations of 2-[4-(Trifluoromethyl) phenyl]-1H-benzimidazole (TFMPHB) Crystals for Electronic, Mechanical Applications**Brazilian journal of physics
2021-03-29 | journal-article

-
- DNB: [123506607X](#)
- URN: [urn:nbn:de:101:1-2021060821415261106094](#)
- DOI: [10.1007/s13538-021-00883-x](#)

Source: SenthilKannan.K via Deutsche Nationalbibliothek (DNB)

-
- **XRD, CHNSO, fluorescence, filter-influx, NLO, photoconductivity, hardness and helical spring-fabricated device stress analysis of 2'-chloro-4-methoxy-3-nitrobenzil (CMNB) crystal of different scalings for opto-electronic filter and band gap engineering utilities**Journal of materials science
2021-03-20 | journal-article

-
- DNB: [1240579179](#)
- URN: [urn:nbn:de:101:1-2021090421070742798679](#)
- DOI: [10.1007/s10854-021-05663-6](#)

Source: SenthilKannan.K *via* Deutsche Nationalbibliothek (DNB)

- - **Synthesis, growth and characterization of 2,5 – dimethyl-N-(3-phenylprop-2-en-1-ylidene) aniline (2,5 DPPA) single crystal: A new second order nonlinear optical material for photonic and optoelectronic applications***Optik*
2021-01 | journal-article
 -
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