

Documents

Export Date: 10 Jun 2022

Search: AU-ID("Shah, Mohammad Ashraf" 24475925000)

- 1) Noor, N., Gani, A., Jhan, F., Ashraf Shah, M., ul Ashraf, Z.
[Ferulic acid loaded pickering emulsions stabilized by resistant starch nanoparticles using ultrasonication: Characterization, in vitro release and nutraceutical potential](#)
(2022) Ultrasonics Sonochemistry, 84, art. no. 105967, . Cited 1 time.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125897156&doi=10.1016%2fj.ultsonch.2022.105967&partnerID=40&md5=10.1016/j.ultsonch.2022.105967>
DOI: 10.1016/j.ultsonch.2022.105967

Document Type: Article

Publication Stage: Final

Access Type: Open Access

Source: Scopus

- 2) Najar, K.A., Ahmad, S.N., Shah, M.A., Mushtaq, Z., Altaf, S.
[A dual-layer approach for enhancing the tribological and machining performance of carbide tools in dry turning of mild-steel alloy](#)
(2022) International Journal of Machining and Machinability of Materials, 24 (1-2), pp. 132-148.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130507493&doi=10.1504%2fIJMMM.2022.122784&partnerID=40&md5=10.1504/IJMMM.2022.122784>
DOI: 10.1504/IJMMM.2022.122784

Document Type: Article

Publication Stage: Final

Source: Scopus

- 3) Gulzar, A., Ayoub, N., Mir, J.F., Alanazi, A.M., Shah, M.A., Gulzar, A.
[In vitro and in vivo MRI imaging and photothermal therapeutic properties of Hematite \(\$\alpha\$ -Fe₂O₃\) Nanorods](#)
(2022) Journal of Materials Science: Materials in Medicine, 33 (1), art. no. 10, .
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122944666&doi=10.1007%2fs10856-021-06636-1&partnerID=40&md5=10.1007/s10856-021-06636-1>
DOI: 10.1007/s10856-021-06636-1

Document Type: Article

Publication Stage: Final

Access Type: Open Access

Source: Scopus

- 4) Siraj, A., Naqash, F., Shah, M.A., Fayaz, S., Majid, D., Dar, B.N.
[Nanoemulsions: formation, stability and an account of dietary polyphenol encapsulation](#)

(2021) International Journal of Food Science and Technology, 56 (9), pp. 4193-4205. Cited 2 times.

- 4) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111479921&doi=10.1111%2fijfs.15228&partnerID=40&md5=87673ab2>
DOI: 10.1111/ijfs.15228

Document Type: Review

Publication Stage: Final

Source: Scopus

- 5) Mishra, A., Basumallick, S., Lu, A., Chiu, H., Shah, M.A., Shukla, Y., Tiwari, A.

[The healthier healthcare management models for COVID-19](#)

(2021) Journal of Infection and Public Health, 14 (7), pp. 927-937.

- 5) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107655891&doi=10.1016%2fj.jiph.2021.05.014&partnerID=40&md5=c>
DOI: 10.1016/j.jiph.2021.05.014

Document Type: Review

Publication Stage: Final

Access Type: Open Access

Source: Scopus

- 6) Gautam, A.S., Dilwaliya, N.K., Srivastava, A., Kumar, S., Baudh, K., Siingh, D., Shah, M.A., Singh, K., Gautam, S.

[Temporary reduction in air pollution due to anthropogenic activity switch-off during COVID-19 lockdown in northern parts of India](#)

(2021) Environment, Development and Sustainability, 23 (6), pp. 8774-8797. Cited 25 times.

- 6) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091445969&doi=10.1007%2fs10668-020-00994-6&partnerID=40&md5>
DOI: 10.1007/s10668-020-00994-6

Document Type: Article

Publication Stage: Final

Access Type: Open Access

Source: Scopus

- 7) Tantray, A.M., Shah, M.A.

[Photo electrochemical stability response of ZnO nanoflowers fabricated through single step electrochemical anodization](#)

(2021) Chemical Papers, 75 (4), pp. 1739-1747. Cited 1 time.

- 7) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096371137&doi=10.1007%2fs11696-020-01419-4&partnerID=40&md5>
DOI: 10.1007/s11696-020-01419-4

Document Type: Article

Publication Stage: Final

Source: Scopus

- 8) Showkat, M., Shah, M.A.

[Wave function of perturbed Hamiltonian in graphene](#)

(2021) International Journal of Geometric Methods in Modern Physics, 18 (2), art. no. 2150025, .

- 8) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098955590&doi=10.1142%2fS0219887821500250&partnerID=40&md5=1142/S0219887821500250>
DOI: 10.1142/S0219887821500250

Document Type: Article

Publication Stage: Final

Source: Scopus

- 9) Mir, M.A., Shah, M.A., Ganai, P.A.

[Dielectric study of nanoporous alumina fabricated by two-step anodization technique](#)

(2021) Chemical Papers, 75 (2), pp. 503-513. Cited 1 time.

- 9) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089570251&doi=10.1007%2fs11696-020-01323-x&partnerID=40&md5=1007/s11696-020-01323-x>
DOI: 10.1007/s11696-020-01323-x

Document Type: Article

Publication Stage: Final

Source: Scopus

- 10) Kumar, R., Mahajan, K., Igwegbe, C.A., Aggarwal, A.K., Shah, M.A., Sangeetika

[Chemical engineering of separation membrane, interfacial strategies, and mathematical modeling: a thorough analysis](#)

(2021) Journal of Integrated Science and Technology, 9 (2), pp. 75-84.

- 10) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128820113&partnerID=40&md5=b301f4d5e524b9d2bb8265d830e9d6>

Document Type: Review

Publication Stage: Final

Source: Scopus

- 11) Maini, A., Shah, M.A.

[Sol-Gel Fabricated CuO Thin Film: Characterization for Device Application \[Article@Тонка плівка CuO, виготовлена методом золь-гелю: характеристики для застосування в пристроях\]](#)

(2021) Journal of Nano- and Electronic Physics, 13 (5), pp. 1-5. Cited 1 time.

- 11) [https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122252382&doi=10.21272%2fjnep.13%285%29.05018&partnerID=40&md5=21272/jnep.13\(5\).05018](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122252382&doi=10.21272%2fjnep.13%285%29.05018&partnerID=40&md5=21272/jnep.13(5).05018)
DOI: 10.21272/jnep.13(5).05018

Document Type: Article

Publication Stage: Final

Source: Scopus

- 12) Tantray, A.M., Mir, J.F., Mir, M.A., Rather, J., Shah, M.A.

[Random Oriented ZnO Nanorods Fabricated through Anodization of Zinc in KHCO₃ Electrolyte](#)

(2021) ECS Journal of Solid State Science and Technology, 10 (8), art. no. 081003, .

- 12) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112639629&doi=10.1149%2f2162-8777%2fac147a&partnerID=40&md5=10.1149/2162-8777/ac147a>

DOI: 10.1149/2162-8777/ac147a

Document Type: Article

Publication Stage: Final

Source: Scopus

- 13) Devi, H.S., Boda, M.A., Rubab, S., Parveen, S., Wani, A.H., Shah, M.A.

[Biosynthesis and antifungal activities of CuO and Al₂O₃ nanoparticles](#)

(2021) Comprehensive Analytical Chemistry, 94, pp. 533-546.

- 13) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105058072&doi=10.1016%2fbs.coac.2020.12.005&partnerID=40&md5=10.1016/bs.coac.2020.12.005>

DOI: 10.1016/bs.coac.2020.12.005

Document Type: Book Chapter

Publication Stage: Final

Source: Scopus

- 14) Mir, J.F., Rubab, S., Shah, M.A.

[Hematite \(\$\alpha\$ -Fe₂O₃\) nanosheets with enhanced photo-electrochemical ability fabricated via single step anodization](#)

(2020) Chemical Physics Letters, 753, art. no. 137584, . Cited 4 times.

- 14) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084845374&doi=10.1016%2fj.cplett.2020.137584&partnerID=40&md5=10.1016/j.cplett.2020.137584>

DOI: 10.1016/j.cplett.2020.137584

Document Type: Article

Publication Stage: Final

Source: Scopus

- 15) Mir, M.A., Shah, M.A., Ganai, P.A.

[Nanoporous anodic alumina \(NAA\) prepared in different electrolytes with different pore sizes for humidity sensing](#)

(2020) Journal of Solid State Electrochemistry, 24 (7), pp. 1679-1686. Cited 8 times.

- 15) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85086036252&doi=10.1007%2fs10008-020-04683-2&partnerID=40&md5=10.1007/s10008-020-04683-2>

DOI: 10.1007/s10008-020-04683-2

Document Type: Article
Publication Stage: Final
Source: Scopus

- 16) Qayoom, M., Bhat, R., Asokan, K., Shah, M.A., Dar, G.N.

[Unary doping effect of A²⁺ \(A = Zn, Co, Ni\) on the structural, electrical and magnetic properties of substituted iron oxide nanostructures](#)

(2020) Journal of Materials Science: Materials in Electronics, 31 (11), pp. 8268-8282. Cited 3 times.

- 16) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083427994&doi=10.1007%2fs10854-020-03362-2&partnerID=40&md5>

DOI: 10.1007/s10854-020-03362-2

Document Type: Article
Publication Stage: Final
Source: Scopus

- 17) Mateen Tantray, A., Shah, M.A.

[Photo electrochemical ability of dense and aligned ZnO nanowire arrays fabricated through electrochemical anodization](#)

(2020) Chemical Physics Letters, 747, art. no. 137346, . Cited 6 times.

- 17) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081965672&doi=10.1016%2fj.cplett.2020.137346&partnerID=40&md5>

DOI: 10.1016/j.cplett.2020.137346

Document Type: Article
Publication Stage: Final
Source: Scopus

- 18) Mir, J.F., Rubab, S., Shah, M.A.

[Photo-electrochemical ability of iron oxide nanoflowers fabricated via electrochemical anodization](#)

(2020) Chemical Physics Letters, 741, art. no. 137088, . Cited 7 times.

- 18) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077930156&doi=10.1016%2fj.cplett.2020.137088&partnerID=40&md5>

DOI: 10.1016/j.cplett.2020.137088

Document Type: Article
Publication Stage: Final
Source: Scopus

- 19) Boda, M.A., Shah, M.A., Khan, M., Çırak, Ç.

[Enhancement in photoelectrochemical ability via re-engineering the band gap of multi-podal titania nanotubes on functionalizing with copper oxide nano-cubes](#)

(2020) Applied Surface Science, 499, art. no. 143965, . Cited 1 time.

- 19)

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074966335&doi=10.1016%2fj.apsusc.2019.143965&partnerID=40&md5=...>
DOI: 10.1016/j.apsusc.2019.143965

Document Type: Article
Publication Stage: Final
Source: Scopus

- 20) Mir, M.A., Shah, M.A., Ganai, P.A.

[Effect of Etching on Nanoporous Anodic Alumina](#)

(2019) Iranian Journal of Science and Technology, Transaction A: Science, 43 (5), pp. 2651-2655.

Cited 1 time.

- 20) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073203020&doi=10.1007%2fs40995-019-00708-2&partnerID=40&md5=...>
DOI: 10.1007/s40995-019-00708-2

Document Type: Article
Publication Stage: Final
Source: Scopus

- 21) Najar, K.A., Sheikh, N.A., Butt, M.M., Mushtaq, S., Shah, M.A.

[Engineered Synthetic Diamond Film as a Protective Layer for Tribological and Machining Applications: A Review](#)

(2019) Journal of Bio- and Tribo-Corrosion, 5 (3), art. no. 59, . Cited 10 times.

- 21) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066128376&doi=10.1007%2fs40735-019-0252-6&partnerID=40&md5=...>
DOI: 10.1007/s40735-019-0252-6

Document Type: Article
Publication Stage: Final
Source: Scopus

- 22) Henam, S.D., Ahmad, F., Shah, M.A., Parveen, S., Wani, A.H.

[Microwave synthesis of nanoparticles and their antifungal activities](#)

(2019) Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 213, pp. 337-341.

Cited 25 times.

- 22) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060686767&doi=10.1016%2fj.saa.2019.01.071&partnerID=40&md5=...>
DOI: 10.1016/j.saa.2019.01.071

Document Type: Article
Publication Stage: Final
Source: Scopus

- 23) Din, S.H., Shah, M.A., Sheikh, N.A., Butt, M.M.

[CVD Diamond](#)

(2019) Transactions of the Indian Institute of Metals, 72 (1), . Cited 1 time.

- 23) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059525679&doi=10.1007%2fs12666-018-1454-1&partnerID=40&md5=>

DOI: 10.1007/s12666-018-1454-1

Document Type: Review

Publication Stage: Final

Source: Scopus

- 24) Devi, H.S., Boda, M.A., Shah, M.A., Parveen, S., Wani, A.H.

[Green synthesis of iron oxide nanoparticles using Platanus orientalis leaf extract for antifungal activity](#)

(2019) Green Processing and Synthesis, 8 (1), pp. 38-45. Cited 81 times.

- 24) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045839619&doi=10.1515%2fgps-2017-0145&partnerID=40&md5=1c8>

DOI: 10.1515/gps-2017-0145

Document Type: Article

Publication Stage: Final

Access Type: Open Access

Source: Scopus

- 25) Sofi, A.H., Shah, M.A.

[Structural and electrical properties of copper doped In₂O₃ nanostructures prepared by citrate gel processes](#)

(2019) Materials Research Express, 6 (4), art. no. aafc0b, . Cited 2 times.

- 25) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062021527&doi=10.1088%2f2053-1591%2faafc0b&partnerID=40&md5=>

DOI: 10.1088/2053-1591/aafc0b

Document Type: Article

Publication Stage: Final

Source: Scopus

- 26) Najar, K.A., Sheikh, N.A., Butt, M.M., Shah, M.A.

[Enhancing the wear resistance of WC–Co cutting inserts using synthetic diamond coatings](#)

(2018) Industrial Lubrication and Tribology, 70 (7), pp. 1224-1233. Cited 12 times.

- 26) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052244856&doi=10.1108%2fILT-04-2017-0089&partnerID=40&md5=d>

DOI: 10.1108/ILT-04-2017-0089

Document Type: Article

Publication Stage: Final

Source: Scopus

27) Dar, F.A., Shah, M.A.

[Structural, morphological and dielectric properties of Li-doped Al₂O₃](#)

(2018) Applied Physics A: Materials Science and Processing, 124 (7), art. no. 513, . Cited 2 times.

27) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049304323&doi=10.1007%2fs00339-018-1925-6&partnerID=40&md5=>

DOI: 10.1007/s00339-018-1925-6

Document Type: Article

Publication Stage: Final

Source: Scopus

28) Boda, M.A., Shah, M.A.

[Enhancement in photo-electrochemical efficiency by reducing recombination rate in branched TiO₂ nanotube array on functionalizing with ZnO micro crystals](#)

(2018) Materials Research Express, 5 (6), art. no. 064001, .

28) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049522783&doi=10.1088%2f2053-1591%2faac925&partnerID=40&md5=>

DOI: 10.1088/2053-1591/aac925

Document Type: Article

Publication Stage: Final

Source: Scopus

29) Sofi, A.H., Shah, M.A., Asokan, K.

[Correction to: Structural, Optical and Electrical Properties of ITO Thin Films \(Journal of Electronic Materials, \(2018\), 47, 2, \(1344-1352\), 10.1007/s11664-017-5915-9\)](#)

(2018) Journal of Electronic Materials, 47 (5), p. 3060.

29) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042603027&doi=10.1007%2fs11664-018-6173-1&partnerID=40&md5=>

DOI: 10.1007/s11664-018-6173-1

Document Type: Erratum

Publication Stage: Final

Access Type: Open Access

Source: Scopus

30) Sofi, A.H., Shah, M.A., Asokan, K.

[Effect on the properties of ITO thin films in Gamma environment](#)

(2018) AIP Conference Proceedings, 1942, art. no. 080034, .

30) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045748094&doi=10.1063%2f1.5028868&partnerID=40&md5=7a48167>

DOI: 10.1063/1.5028868

Document Type: Conference Paper

Publication Stage: Final

Source: Scopus

31) Boda, M.A., Shah, M.A.

[Enhanced photo-electrochemical potential of Fe₂O₃ modified TiO₂ nanotube array with multiple legs](#)

(2018) Journal of Materials Science: Materials in Electronics, 29 (6), pp. 4596-4601. Cited 6 times.

31) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85038091597&doi=10.1007%2fs10854-017-8410-4&partnerID=40&md5=>

DOI: 10.1007/s10854-017-8410-4

Document Type: Article

Publication Stage: Final

Source: Scopus

32) Parveen, S., Wani, A.H., Shah, M.A., Devi, H.S., Bhat, M.Y., Koka, J.A.

[Preparation, characterization and antifungal activity of iron oxide nanoparticles](#)

(2018) Microbial Pathogenesis, 115, pp. 287-292. Cited 65 times.

32) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040010864&doi=10.1016%2fj.micpath.2017.12.068&partnerID=40&md5=>

DOI: 10.1016/j.micpath.2017.12.068

Document Type: Article

Publication Stage: Final

Source: Scopus

33) Sofi, A.H., Shah, M.A., Asokan, K.

[Structural, Optical and Electrical Properties of ITO Thin Films](#)

(2018) Journal of Electronic Materials, 47 (2), pp. 1344-1352. Cited 28 times.

33) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034585544&doi=10.1007%2fs11664-017-5915-9&partnerID=40&md5=>

DOI: 10.1007/s11664-017-5915-9

Document Type: Article

Publication Stage: Final

Source: Scopus

34) Din, S.H., Shah, M.A., Sheikh, N.A.

[Tribological Performance of Titanium Alloy Ti-6Al-4V via CVD-diamond Coatings](#)

(2018) Journal of Superhard Materials, 40 (1), pp. 26-39. Cited 8 times.

34) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043996129&doi=10.3103%2fS1063457618010057&partnerID=40&md5=>

DOI: 10.3103/S1063457618010057

Document Type: Article

Publication Stage: Final

Source: Scopus

35) Dar, F.A., Shah, M.A.

[Low temperature fabrication of Al₂O₃ nanostrips and their enhanced dielectric property](#)

(2018) Materials Research Express, 5 (1), art. no. 015048, . Cited 3 times.

35) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041607301&doi=10.1088%2f2053-1591%2faaa607&partnerID=40&md5=>

DOI: 10.1088/2053-1591/aaa607

Document Type: Article

Publication Stage: Final

Source: Scopus

36) Boda, M.A., Shah, M.A.

[Fabrication of ZnFe₂O₄/TiO₂ nanotube array composite to harness the augmented photocurrent density under visible light](#)

(2018) Applied Physics A: Materials Science and Processing, 124 (1), art. no. 55, . Cited 7 times.

36) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85038910858&doi=10.1007%2fs00339-017-1485-1&partnerID=40&md5=>

DOI: 10.1007/s00339-017-1485-1

Document Type: Article

Publication Stage: Final

Source: Scopus

37) Boda, M.A., Shah, M.A.

[Augmented Photoelectrochemical Efficiency of ZnO/TiO₂ Nanotube Heterostructures](#)

(2017) Journal of Electronic Materials, 46 (11), pp. 6698-6703. Cited 8 times.

37) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026780469&doi=10.1007%2fs11664-017-5710-7&partnerID=40&md5=>

DOI: 10.1007/s11664-017-5710-7

Document Type: Article

Publication Stage: Final

Source: Scopus

38) Ahmad Akhoun, S., Rubab, S., Ashraf Shah, M.

[Enhanced cycling properties and better rate capabilities of Al-doped LiMn₂O₄ nanorods and nanospheres](#)

(2017) Materials Research Express, 4 (10), art. no. 105016, . Cited 8 times.

38) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043293389&doi=10.1088%2f2053-1591%2faa8e58&partnerID=40&md5=>

DOI: 10.1088/2053-1591/aa8e58

Document Type: Article
Publication Stage: Final
Source: Scopus

39) Boda, M.A., Shah, M.A.

[Fabrication mechanism of compact TiO₂ nanotubes and their photo-electrochemical ability](#)

(2017) Materials Research Express, 4 (7), art. no. 075908, . Cited 9 times.

39) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85027188615&doi=10.1088%2f2053-1591%2faa7cd2&partnerID=40&md5=2053-1591-aa7cd2>
DOI: 10.1088/2053-1591/aa7cd2

Document Type: Article
Publication Stage: Final
Source: Scopus

40) Din, S.H., Shah, M.A., Sheikh, N.A.

[Deposition of dual-layer coating on Ti6Al4V](#)

(2017) Surface Topography: Metrology and Properties, 5 (1), art. no. 015002, .

40) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020284956&doi=10.1088%2f2051-672X%2faa5cd0&partnerID=40&md5=2051-672X-aa5cd0>
DOI: 10.1088/2051-672X/aa5cd0

Document Type: Article
Publication Stage: Final
Source: Scopus

41) Akhoun, S.A., Sofi, A.H., Rubab, S., Shah, M.A.

[Enhanced Structural and Electrochemical Properties of LiMn₂O₄ Nanocubes](#)

(2017) Journal of Electronic Materials, 46 (2), pp. 992-998. Cited 7 times.

41) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84992410857&doi=10.1007%2fs11664-016-4741-9&partnerID=40&md5=2016-4741-9>
DOI: 10.1007/s11664-016-4741-9

Document Type: Article
Publication Stage: Final
Source: Scopus

42) Najjar, K.A., Sheikh, N.A., Shah, M.A.

[Enhancement in tribological and mechanical properties of cemented tungsten carbide substrates using CVD-diamond coatings](#)

(2017) Tribology in Industry, 39 (1), pp. 20-30. Cited 14 times.

42) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85016220248&doi=10.24874%2fti.2017.39.01.03&partnerID=40&md5=2017-39-01-03>
DOI: 10.24874/ti.2017.39.01.03

Document Type: Article
Publication Stage: Final
Access Type: Open Access
Source: Scopus

- 43) Din, S.H., Shah, M.A., Sheikh, N.A., Najar, K.A., Ramasubramanian, K., Balaji, S., Ramachandra Rao, M.S.
[Influence of boron doping on mechanical and tribological properties in multilayer CVD-diamond coating systems](#)
(2016) Bulletin of Materials Science, 39 (7), pp. 1753-1761. Cited 6 times.

- 43) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85006256290&doi=10.1007%2fs12034-016-1311-y&partnerID=40&md5=>
DOI: 10.1007/s12034-016-1311-y

Document Type: Article
Publication Stage: Final
Access Type: Open Access
Source: Scopus

- 44) Akhoun, S.A., Rubab, S., Shah, M.A.
[A review of various nanostructures to enhance the efficiency of solar-photon-conversions](#)
(2016) Renewable and Alternative Energy: Concepts, Methodologies, Tools, and Applications, pp. 197-225. Cited 2 times.

- 44) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018607320&doi=10.4018%2f978-1-5225-1671-2.ch007&partnerID=40>
DOI: 10.4018/978-1-5225-1671-2.ch007

Document Type: Book Chapter
Publication Stage: Final
Source: Scopus

- 45) Maini, A., Sofi, A.H., Shah, M.A.
[Agglomerated copper oxide \(CuO\) nanostructures and their growth mechanism](#)
(2016) Advanced Science Letters, 22 (4), pp. 1042-1044.

- 45) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84985993201&doi=10.1166%2fasl.2016.6969&partnerID=40&md5=2205>
DOI: 10.1166/asl.2016.6969

Document Type: Article
Publication Stage: Final
Source: Scopus

- 46) Sofi, A.H., Abubakr, B., Shah, M.A.

[Enhancement of figure of merit of thermoelectric materials: a new theoretical approach](#)

(2016) Thermophysics and Aeromechanics, 23 (2), pp. 255-260.

- 46) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84975763997&doi=10.1134%2fS0869864316020128&partnerID=40&md5=416e46247118c536b03aa85b129e19>
DOI: 10.1134/S0869864316020128

Document Type: Article

Publication Stage: Final

Source: Scopus

- 47) Din, S.H., Shah, M.A., Sheikh, N.A.

[Effect of CVD-diamond on the tribological and mechanical performance of titanium alloy \(Ti6Al4V\)](#)

(2016) Tribology in Industry, 38 (4), pp. 530-542. Cited 9 times.

- 47) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85007505744&partnerID=40&md5=416e46247118c536b03aa85b129e19>

Document Type: Article

Publication Stage: Final

Source: Scopus

- 48) Gopalakrishnan, K., Pramoda, K., Maitra, U., Mahima, U., Shah, M.A., Rao, C.N.R.

[Performance of MoS₂-reduced graphene oxide nanocomposites in supercapacitors and in oxygen reduction reaction](#)

(2015) Nanomaterials and Energy, 4 (1), pp. 9-17. Cited 25 times.

- 48) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84994586353&doi=10.1680%2fnme.14.00024&partnerID=40&md5=b139>
DOI: 10.1680/nme.14.00024

Document Type: Article

Publication Stage: Final

Source: Scopus

- 49) Shah, M.A., Bhat, M.A.

[Preface](#)

(2014) Nanotechnology Applications for Improvements in Energy Efficiency and Environmental Management, pp. xiii-xix.

- 49) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85025680976&doi=10.4018%2f978-1-4666-6304-6&partnerID=40&md5=416e46247118c536b03aa85b129e19>
DOI: 10.4018/978-1-4666-6304-6

Document Type: Editorial

Publication Stage: Final

Source: Scopus

- 50) Akhoun, S.A., Rubab, S., Shah, M.A.

[A review of various nanostructures to enhance the efficiency of solar-photon-conversions](#)

(2014) Nanotechnology Applications for Improvements in Energy Efficiency and Environmental Management, pp. 277-312. Cited 1 time.

- 50) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84946811636&doi=10.4018%2f978-1-4666-6304-6.ch010&partnerID=40>
DOI: 10.4018/978-1-4666-6304-6.ch010

Document Type: Book Chapter
Publication Stage: Final
Source: Scopus

- 51) Shah, M.A., Bhat, M.A., Davim, J.P.
[Nanotechnology applications for improvements in energy efficiency and environmental management](#)
(2014) Nanotechnology Applications for Improvements in Energy Efficiency and Environmental Management, p. 1. Cited 10 times.

- 51) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84946736114&doi=10.4018%2f978-1-4666-6304-6&partnerID=40&md5=>
DOI: 10.4018/978-1-4666-6304-6

Document Type: Book
Publication Stage: Final
Source: Scopus

- 52) Shah, K.A., Shah, M.A.
[Principles of Raman scattering in carbon nanotubes](#)
(2014) Handbook of Research on Nanoscience, Nanotechnology, and Advanced Materials, pp. 131-145.

- 52) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84946137797&doi=10.4018%2f978-1-4666-5824-0.ch006&partnerID=40>
DOI: 10.4018/978-1-4666-5824-0.ch006

Document Type: Book Chapter
Publication Stage: Final
Source: Scopus

- 53) Sofi, A.H., Shah, M.A.
[The study of the structural and morphology features of indium tin oxide \(ITO\) nanostructures](#)
(2014) Materials Research Express, 1 (1), art. no. 015041, . Cited 1 time.

- 53) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84951978027&doi=10.1088%2f2053-1591%2f1%2f1%2f015041&partnerID=40>
DOI: 10.1088/2053-1591/1/1/015041

Document Type: Article
Publication Stage: Final

Source: Scopus

- 54) Wani, A.H., Shahnaz, M., Amin, M., Shah, M.A.

[Antimycotic activity of nanoparticles of MgO, FeO and ZnO on some pathogenic fungi](#)

(2014) Nanotechnology: Concepts, Methodologies, Tools, and Applications, 3-3, pp. 1289-1299.

Cited 3 times.

- 54) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84945326020&doi=10.4018%2f978-1-4666-5125-8.ch059&partnerID=40>

DOI: 10.4018/978-1-4666-5125-8.ch059

Document Type: Book Chapter

Publication Stage: Final

Source: Scopus

- 55) Shah, M.A.

[Electron microscopy: A versatile tool in nanoworld](#)

(2013) Materials Science Forum, 760, pp. 43-51. Cited 1 time.

- 55) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84880721107&doi=10.4028%2fwww.scientific.net%2fMSF.760.43&partnerID=40>

DOI: 10.4028/www.scientific.net/MSF.760.43

Document Type: Article

Publication Stage: Final

Source: Scopus

- 56) Shah, M.A.

[Large scale production of MgO nanostructures and their possible applications](#)

(2013) Materials Science Forum, 760, pp. 69-71. Cited 1 time.

- 56) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84880716926&doi=10.4028%2fwww.scientific.net%2fMSF.760.69&partnerID=40>

DOI: 10.4028/www.scientific.net/MSF.760.69

Document Type: Article

Publication Stage: Final

Source: Scopus

- 57) Wani, A.H., Amin, M., Shahnaz, M., Shah, M.A.

[Antimycotic activity of nanoparticles of mgo, feo and zno on some pathogenic fungi](#)

(2012) International Journal of Manufacturing, Materials, and Mechanical Engineering, 2 (4), pp.

59-70. Cited 10 times.

- 57) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84891817668&doi=10.4018%2fijmmme.2012100105&partnerID=40&md5=10.4018/ijmmme.2012100105>

DOI: 10.4018/ijmmme.2012100105

Document Type: Article
Publication Stage: Final
Source: Scopus

58) Shah, M.A., Al-Agel, F.A.

[Economical and versatile way to prepare TiO₂ nanostructures and their safe applications](#)

(2012) 2012 International Conference on Enabling Science and Nanotechnology, ESciNano 2012 -

Proceedings, art. no. 6149629, .

58) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84858016513&doi=10.1109%2fESciNano.2012.6149629&partnerID=40&>

DOI: 10.1109/ESciNano.2012.6149629

Document Type: Conference Paper
Publication Stage: Final
Source: Scopus

59) Wani, A.H., Shah, M.A.

[A unique and profound effect of MgO and ZnO nanoparticles on some plant pathogenic fungi](#)

(2012) Journal of Applied Pharmaceutical Science, 2 (3), pp. 40-44. Cited 108 times.

59) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84875911745&doi=10.7324%2fJAPS.2012.2307&partnerID=40&md5=51>

DOI: 10.7324/JAPS.2012.2307

Document Type: Article
Publication Stage: Final
Source: Scopus

60) Shah, M.A.

[Titanium dioxide \(TiO₂\): A versatile semiconducting material for environmental and antibacterial applications](#)

(2012) Nanotechnology: Ethical and Social Implications, pp. 249-259. Cited 1 time.

60) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055388279&doi=10.1201%2fb12005&partnerID=40&md5=3fb2b6c59a>

DOI: 10.1201/b12005

Document Type: Book Chapter
Publication Stage: Final
Source: Scopus

61) Shah, M.A.

[Growth of uniform nanoparticles of platinum by an economical approach at relatively low temperature](#)

(2012) Scientia Iranica, 19 (3), pp. 964-966. Cited 27 times.

61) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84863661684&doi=10.1016%2fj.scient.2012.02.027&partnerID=40&md5>

DOI: 10.1016/j.scient.2012.02.027

Document Type: Article

Publication Stage: Final

Access Type: Open Access

Source: Scopus

- 62) Al-Marzouki, F.M., Al-Hartomy, O.A., Shah, M.A.

[Preparation of copper oxide \(CuO\) nanoparticles and their bactericidal activity](#)

(2011) International Journal of Manufacturing, Materials, and Mechanical Engineering, 1 (4), pp.

58-64. Cited 2 times.

- 62) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84891813387&doi=10.4018%2fijmmme.2011100104&partnerID=40&md5=58-64>

DOI: 10.4018/ijmmme.2011100104

Document Type: Article

Publication Stage: Final

Source: Scopus

- 63) Al-Hartomy, O.A., Shah, M.A.

[Synthesis of double wall carbon nanotubes using sulfur as catalyst](#)

(2011) Journal of Electronic Packaging, Transactions of the ASME, 133 (2), art. no. 020904, .

- 63) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-79959316687&doi=10.1115%2f1.4003867&partnerID=40&md5=218a9d1>

DOI: 10.1115/1.4003867

Document Type: Article

Publication Stage: Final

Source: Scopus

- 64) Al-Harbi, L.M., El-Mossalamy, E.H., Arafa, H.M., Al-Owais, A., Shah, M.A.

[TiO₂ nanoparticles with tetra-pad shape prepared by an economical and safe route at very low temperature](#)

(2011) Modern Applied Science, 5 (3), pp. 130-135. Cited 9 times.

- 64) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-80052479016&doi=10.5539%2fmas.v5n3p130&partnerID=40&md5=564>

DOI: 10.5539/mas.v5n3p130

Document Type: Article

Publication Stage: Final

Access Type: Open Access

Source: Scopus

65) Al-Owais, A., El-Mossalamy, E.H., Shah, M.A., Arafa, H.M.

[Fabrication of magnesium hydroxide nanoneedles](#)

(2011) Chemistry and Technology of Fuels and Oils, 47 (2), pp. 151-156. Cited 1 time.

65) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-79960564161&doi=10.1007%2fs10553-011-0272-5&partnerID=40&md5=>

DOI: 10.1007/s10553-011-0272-5

Document Type: Article

Publication Stage: Final

Source: Scopus

66) Shah, M.A.

[Al₂O₃ nanobricks via an organic free route using water as solvent](#)

(2011) International Journal of Manufacturing, Materials, and Mechanical Engineering, 1 (2), pp.

56-61.

66) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84891779350&doi=10.4018%2fijmmme.2011040104&partnerID=40&md5=>

DOI: 10.4018/ijmmme.2011040104

Document Type: Article

Publication Stage: Final

Source: Scopus

67) Al-Harbi, L.M., El-Mossalamy, E.H., Arafa, H.M., Al-Owais, A., Shah, M.A.

[Growth of zinc oxide \(ZnO\) nanorods and their optical properties](#)

(2011) Modern Applied Science, 5 (2), pp. 87-91. Cited 8 times.

67) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-79956312219&doi=10.5539%2fmas.v5n2p87&partnerID=40&md5=fa3ac>

DOI: 10.5539/mas.v5n2p87

Document Type: Article

Publication Stage: Final

Access Type: Open Access

Source: Scopus

68) Shah, M.A.

[A facile and fast route to prepare antimony \(Sb\) nanostructures without additives](#)

(2011) Scientia Iranica, 18 (6), pp. 1652-1654.

68) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84855887736&doi=10.1016%2fj.scient.2011.11.015&partnerID=40&md5=>

DOI: 10.1016/j.scient.2011.11.015

Document Type: Article

Publication Stage: Final

Access Type: Open Access

Source: Scopus

69) Shah, M.A., Al-Marzouki, F.M.

[TiO₂ nanoparticles prepared without harmful organics: A biosafe and economical approach](#)

(2011) Scientia Iranica, 18 (3 F), pp. 804-807. Cited 4 times.

69) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-80054909144&doi=10.1016%2fj.scient.2011.06.006&partnerID=40&md5=>

DOI: 10.1016/j.scient.2011.06.006

Document Type: Article

Publication Stage: Final

Access Type: Open Access

Source: Scopus

70) Shah, M.A., Al-Nowaiser, F.M.

[A green and an environmentally benign route to prepare Cu₂O nanocrystals and their potential applications](#)

(2011) International Journal of Nanoparticles, 4 (1), pp. 27-32. Cited 3 times.

70) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-79251511515&doi=10.1504%2fIJNP.2011.038249&partnerID=40&md5=>

DOI: 10.1504/IJNP.2011.038249

Document Type: Article

Publication Stage: Final

Source: Scopus

71) Shah, M.A., Al-Marzouki, F.M.

[Bio-safe approach for the preparation of magnesium oxide \(MgO\) nanoflowers at very low temperature](#)

(2010) International Journal of Biomedical Nanoscience and Nanotechnology, 1 (1), pp. 10-16. Cited

4 times.

71) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84945726393&doi=10.1504%2fIJBNN.2010.034122&partnerID=40&md5=>

DOI: 10.1504/IJBNN.2010.034122

Document Type: Article

Publication Stage: Final

Source: Scopus

72) Shah, M.A.

[Lead oxide \(PbO\) nanoparticles prepared by a new technique for biomedical applications](#)

(2010) International Journal of Biomedical Nanoscience and Nanotechnology, 1 (1), pp. 3-9. Cited 7

times.

72)

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84865960806&doi=10.1504%2fIJBNN.2010.034121&partnerID=40&md5=10.1504/IJBNN.2010.034121>
DOI: 10.1504/IJBNN.2010.034121

Document Type: Article
Publication Stage: Final
Source: Scopus

73) Shah, M.A.

[Growth of zinc oxide nanoparticles by the reaction of zinc with ethanol](#)

(2009) Advanced Materials Research, 67, pp. 215-219. Cited 5 times.

73) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-70350498860&doi=10.4028%2fwww.scientific.net%2fAMR.67.215&partnerID=40&md5=10.4028/www.scientific.net/AMR.67.215>
DOI: 10.4028/www.scientific.net/AMR.67.215

Document Type: Conference Paper
Publication Stage: Final
Source: Scopus

74) Shah, M.A., Qurashi, A.

[Novel surfactant-free synthesis of MgO nanoflakes](#)

(2009) Journal of Alloys and Compounds, 482 (1-2), pp. 548-551. Cited 48 times.

74) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-67349171074&doi=10.1016%2fj.jallcom.2009.04.129&partnerID=40&md5=10.1016/j.jallcom.2009.04.129>
DOI: 10.1016/j.jallcom.2009.04.129

Document Type: Article
Publication Stage: Final
Source: Scopus

75) Shah, M.A.

[Hydrothermal synthesis of \$\alpha\$ -Fe₂O₂ nanorods prepared by a new and a fast route](#)

(2009) Oriental Journal of Chemistry, 25 (3), pp. 489-492. Cited 2 times.

75) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-70350118569&partnerID=40&md5=507ffa457ae4fb20c107b5ea33bd40a>
Document Type: Article

Publication Stage: Final
Source: Scopus

76) Shah, M.A.

[A versatile bottom up approach for the synthesis of tin oxide nanoparticles and their potential](#)

(2009) International Journal of Nanoscience, 8 (3), pp. 289-292. Cited 1 time.

76) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-71749090399&doi=10.1142%2fS0219581X09006158&partnerID=40&md5=10.1142/S0219581X09006158>
DOI: 10.1142/S0219581X09006158

Document Type: Article
Publication Stage: Final
Source: Scopus

77) Shah, M.A.

[A versatile approach for the synthesis of aluminum oxide nanorods based on a simple reaction](#)

(2009) Modern Physics Letters B, 23 (13), pp. 1723-1729. Cited 3 times.

77) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-67650851551&doi=10.1142%2fS0217984909019880&partnerID=40&md5=5962a28c666c120b43c93f3e0a1420>
DOI: 10.1142/S0217984909019880

Document Type: Article
Publication Stage: Final
Source: Scopus

78) Shah, M.A., Asiri, A.M.

[Synthesis and characterization of \$\alpha\$ -Fe₂O₃ nanorods by a simple reaction of iron and water](#)

(2009) International Journal of Modern Physics B, 23 (10), pp. 2323-2327. Cited 1 time.

78) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-67549132687&doi=10.1142%2fS0217979209052479&partnerID=40&md5=5962a28c666c120b43c93f3e0a1420>
DOI: 10.1142/S0217979209052479

Document Type: Article
Publication Stage: Final
Source: Scopus

79) Shah, M.A.

[Synthesis of zinc oxide nanoparticles by the reaction of zinc metal with ethanol](#)

(2009) Modern Physics Letters B, 23 (6), pp. 871-876. Cited 2 times.

79) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-65249168162&doi=10.1142%2fS0217984909019004&partnerID=40&md5=5962a28c666c120b43c93f3e0a1420>
DOI: 10.1142/S0217984909019004

Document Type: Article
Publication Stage: Final
Source: Scopus

80) Shah, M.A.

[Synthesis of ZnO nanoparticles without catalysts and their photoluminescence](#)

(2009) Optoelectronics and Advanced Materials, Rapid Communications, 3 (7), pp. 672-675.

80) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-77951990818&partnerID=40&md5=5962a28c666c120b43c93f3e0a1420>
Document Type: Article
Publication Stage: Final

Source: Scopus

81) Shah, M.A., Al-Shahry, M.S., Asiri, A.M.

[Biomedical applications of iron oxide nanostructures](#)

(2009) International Journal of Nano and Biomaterials, 2 (1-5), pp. 164-172. Cited 5 times.

81) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-73949110674&doi=10.1504%2fIJNBM.2009.027710&partnerID=40&md5=>

DOI: 10.1504/IJNBM.2009.027710

Document Type: Article

Publication Stage: Final

Source: Scopus

82) Shah, M.A., Al-Shahry, M.S., Asiri, A.M.

[Simple approach for the synthesis of zinc oxide nanorods](#)

(2009) International Journal of Nanoparticles, 2 (1-6), pp. 66-73. Cited 4 times.

82) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-70350616284&doi=10.1504%2fijnp.2009.028738&partnerID=40&md5=c1>

DOI: 10.1504/ijnp.2009.028738

Document Type: Article

Publication Stage: Final

Source: Scopus

83) Shah, M.A.

[Zinc oxide nanorods prepared at low temperatures without catalyst](#)

(2008) Modern Physics Letters B, 22 (26), pp. 2617-2621. Cited 2 times.

83) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-55949092913&doi=10.1142%2fS0217984908017126&partnerID=40&md5=>

DOI: 10.1142/S0217984908017126

Document Type: Article

Publication Stage: Final

Source: Scopus

84) Shah, M.A.

[A versatile route for the synthesis of nickel oxide nanostructures without organics at low temperature](#)

(2008) Nanoscale Research Letters, 3 (7), pp. 255-259. Cited 27 times.

84) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-49149089057&doi=10.1007%2fs11671-008-9147-z&partnerID=40&md5=>

DOI: 10.1007/s11671-008-9147-z

Document Type: Article

Publication Stage: Final

Access Type: Open Access

Source: Scopus

85) Parey, N.A., Shah, M.A.

[Effect of L-methionine on the optical properties of potassium acid phthalate](#)

(2007) Modern Physics Letters B, 21 (30), pp. 2089-2094.

85) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-37548998526&doi=10.1142%2fS0217984907014486&partnerID=40&md5=0>

DOI: 10.1142/S0217984907014486

Document Type: Article

Publication Stage: Final

Source: Scopus

86) Panchakarla, L.S., Shah, M.A., Govindaraj, A., Rao, C.N.R.

[A simple method to prepare ZnO and Al\(OH\)₃ nanorods by the reaction of the metals with liquid water](#)

(2007) Journal of Solid State Chemistry, 180 (11), pp. 3106-3110. Cited 30 times.

86) <https://www.scopus.com/inward/record.uri?eid=2-s2.0-36248961052&doi=10.1016%2fj.jssc.2007.09.005&partnerID=40&md5=0>

DOI: 10.1016/j.jssc.2007.09.005

Document Type: Article

Publication Stage: Final

Source: Scopus