

# Qi Feng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4883909/publications.pdf>

Version: 2024-02-01

108  
papers

2,492  
citations

186265

28  
h-index

233421

45  
g-index

109  
all docs

109  
docs citations

109  
times ranked

3015  
citing authors



| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Synthesis of Sn <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> -GO nanocomposite as an anode material with enhanced lithium storage performance. <i>Journal of Materials Science</i> , 2020, 55, 3561-3570.  | 3.7  | 4         |
| 20 | Facile synthesis of TiO <sub>2</sub> /Ag <sub>3</sub> PO <sub>4</sub> composites with co-exposed high-energy facets for efficient photodegradation of rhodamine B solution under visible light irradiation. <i>RSC Advances</i> , 2020, 10, 24555-24569.                    | 3.6  | 12        |
| 21 | Tetragonal Distortion of a BaTiO <sub>3</sub> /Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> Nanocomposite Responsible for Anomalous Piezoelectric and Ferroelectric Behaviors. <i>ACS Omega</i> , 2020, 5, 22800-22807.   | 3.5  | 12        |
| 22 | Controlling dye coverage instead of addition of organic acid to reduce dye aggregation in dye-sensitized solar cells. <i>Solar Energy</i> , 2020, 202, 507-513.   | 6.1  | 2         |
| 23 | Hollow Square RodLike Microtubes Composed of Anatase Nanocuboids with Coexposed {100}, {010}, and {001} Facets for Improved Photocatalytic Performance. <i>ACS Omega</i> , 2020, 5, 14147-14156.  | 3.5  | 9         |
| 24 | The Sn-C bond at the interface of a Sn <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> /Super P nanocomposite for enhanced electrochemical performance. <i>New Journal of Chemistry</i> , 2020, 44, 4478-4485.  | 2.8  | 4         |
| 25 | Bismuth chalcogenide iodides Bi <sub>13</sub> S <sub>18</sub> I <sub>2</sub> and BiSI: solvothermal synthesis, photoelectric behavior, and photovoltaic performance. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3821-3829.  | 5.5  | 38        |
| 26 | Tailored Hydrothermal Synthesis of Specific Facet-Dominated TiO <sub>2</sub> Nanocrystals from Lepidocrocite-Type Layered Titanate Nanosheets: Systematical Investigation and Enhanced Photocatalytic Performance. <i>Langmuir</i> , 2020, 36, 4477-4495.                   | 3.5  | 9         |
| 27 | Controllable preparation and formation mechanisms of BaTiO <sub>3</sub> /titanate nanocomposites from solvothermally synthesized K <sub>0.8</sub> Li <sub>0.27</sub> Ti <sub>1.73</sub> O <sub>4</sub> crystal. <i>Materials Chemistry and Physics</i> , 2020, 249, 122964. | 4.0  | 3         |
| 28 | Facile Formation of Anatase/Rutile TiO <sub>2</sub> Nanocomposites with Enhanced Photocatalytic Activity. <i>Molecules</i> , 2019, 24, 2996.  | 3.8  | 142       |
| 29 | Introduction of Fe <sup>2+</sup> in Fe <sub>0.8</sub> Ti <sub>1.2</sub> O <sub>4</sub> nanosheets via photo reduction and their enhanced electrochemical performance as a lithium ion battery anode. <i>Chemical Communications</i> , 2019, 55, 186-189.                    | 4.1  | 7         |
| 30 | Ferroelectric mesocrystalline BaTiO <sub>3</sub> /BaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> nanocomposite: formation mechanism, nanostructure, and anomalous ferroelectric response. <i>Nanoscale</i> , 2019, 11, 3837-3846.  | 5.6  | 18        |
| 31 | Recent progress in piezoelectric thin film fabrication via the solvothermal process. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16046-16067.  | 10.3 | 30        |
| 32 | Synthesis of Ba <sub>x</sub> (Bi <sub>0.5</sub> Na <sub>0.5</sub> ) <sub>1-x</sub> TiO <sub>3</sub> perovskite mesocrystals via a solvothermal topochemical process. <i>CrystEngComm</i> , 2019, 21, 3854-3862.   | 2.6  | 6         |
| 33 | Synthesis of Anatase TiO <sub>2</sub> Nanocrystals with Defined Morphologies from Exfoliated Nanoribbons: Photocatalytic Performance and Application in Dye-sensitized Solar Cell. <i>ChemistrySelect</i> , 2019, 4, 4443-4457.   | 1.5  | 16        |
| 34 | Microwave-Assisted Synthesis of High-Energy Faceted TiO <sub>2</sub> Nanocrystals Derived from Exfoliated Porous Metatitanic Acid Nanosheets with Improved Photocatalytic and Photovoltaic Performance. <i>Materials</i> , 2019, 12, 3614.                                  | 2.9  | 19        |
| 35 | Hydrothermal synthesis and electrochemical performance of K <sub>0.8</sub> Fe <sub>0.8</sub> Ti <sub>1.2</sub> O <sub>4</sub> as lithium ion battery anode. <i>Materials Letters</i> , 2019, 237, 145-148.  | 2.6  | 5         |
| 36 | BaTi <sub>4</sub> O <sub>9</sub> mesocrystal: Topochemical synthesis, fabrication of ceramics, and relaxor ferroelectric behavior. <i>Journal of Alloys and Compounds</i> , 2019, 777, 335-343.   | 5.5  | 11        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Microwave assisted hydrothermal synthesis of tin niobates nanosheets with high cycle stability as lithium-ion battery anodes. Chinese Chemical Letters, 2019, 30, 771-774.   | 9.0 | 22        |
| 38 | Structural and morphological evolution of an octahedral $\text{KNbO}_3$ mesocrystal via self-assembly-topotactic conversion process. CrystEngComm, 2018, 20, 728-737.  | 2.6 | 7         |
| 39 | Anomalous piezoelectric response of ferroelectric mesocrystalline $\text{BaTiO}_3/\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ nanocomposites designed by strain engineering. Nanoscale, 2018, 10, 8196-8206.   | 5.6 | 19        |
| 40 | Facile Synthesis of {101}, {010} and [111]-Faceted Anatase $\text{TiO}_2$ Nanocrystals Derived from Porous Metatitanic Acid $\text{H}_2\text{TiO}_3$ for Enhanced Photocatalytic Performance. ChemistrySelect, 2018, 3, 2867-2876.                                   | 1.5 | 15        |
| 41 | In situ topotactic synthesis of a porous network $\text{Zn}_2\text{Ti}_3\text{O}_8$ platelike nanoarchitecture and its long-term cycle performance for a LIB anode. CrystEngComm, 2018, 20, 7329-7336.   | 2.6 | 14        |
| 42 | One-Dimensional Piezoelectric $\text{BaTiO}_3$ Polycrystal of Topochemical Mesocrystal Conversion from Layered $\text{H}_2\text{Ti}_4\text{O}_9 \cdot \text{H}_2\text{O}$ Single Crystal. Crystal Growth and Design, 2018, 18, 7264-7274.                            | 3.0 | 19        |
| 43 | Synthesis, Transformation Mechanism and Photocatalytic Properties of Various Morphologies Anatase $\text{TiO}_2$ Nanocrystals Derived From Tetratitanate Nanobelts. ChemistrySelect, 2018, 3, 9953-9959.   | 1.5 | 8         |
| 44 | Polymorphic Evolution of $\text{TiO}_2$ in Hydrothermal Reaction System of Layered Titanate Nanosheets. ChemistrySelect, 2018, 3, 8703-8712.   | 1.5 | 1         |
| 45 | Removal of trace arsenic to below drinking water standards using a $\text{Mn-Fe}$ binary oxide. RSC Advances, 2017, 7, 1490-1497.  | 3.6 | 23        |
| 46 | Hydrothermal synthesis and formation mechanism of the anatase nanocrystals with co-exposed high-energy {001}, {010} and [111]-facets for enhanced photocatalytic performance. RSC Advances, 2017, 7, 24616-24627.  | 3.6 | 28        |
| 47 | Topological relations and piezoelectric responses of crystal-axis-oriented $\text{BaTiO}_3/\text{CaTiO}_3$ nanocomposites. RSC Advances, 2017, 7, 30807-30814.   | 3.6 | 11        |
| 48 | Facile size-controllable synthesis process, bandgap blue shift, and enhanced photocatalytic performances of [111]-faceted anatase $\text{TiO}_2$ nanocrystals. New Journal of Chemistry, 2017, 41, 10998-11008.  | 2.8 | 5         |
| 49 | Soft chemical synthesis and visible light photocatalytic performance of $\text{Ag@AgCl}/\text{H}_1.07\text{Ti}_1.73\text{O}_4$ platelike composite with composition controlling. Journal of Alloys and Compounds, 2017, 727, 311-317.                                | 5.5 | 11        |
| 50 | One-Pot Synthesis of [111]-{010} Facets Coexisting Anatase Nanocrystals with Enhanced Dye-Sensitized Solar Cell Performance. ChemistrySelect, 2016, 1, 6632-6640.  | 1.5 | 13        |
| 51 | Antiferroelectric-to-Ferroelectric Switching in $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite and Its Potential Role in Effective Charge Separation. Physical Review Applied, 2016, 6, 031047.   | 3.8 | 30        |
| 52 | Ti-O-O coordination bond caused visible light photocatalytic property of layered titanium oxide. Scientific Reports, 2016, 6, 29049.   | 3.3 | 50        |
| 53 | Antiferroelectric Nature of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite and Its Implication for Charge Separation in Perovskite Solar Cells. Scientific Reports, 2016, 6, 30680.   | 3.3 | 42        |
| 54 | Hydrothermal Synthesis and Particle Morphology Control of $\text{K}_{0.8}\text{Li}_{0.27}\text{Ti}_{1.73}\text{O}_4$ with Lepidocrocite-like Structure. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 185-191. | 0.2 | 0         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 55 | Fabrication of Ba <sub>1-x</sub> Ca <sub>x</sub> TiO <sub>3</sub> Oriented Ceramics by Reactive Template Grain Growth Method Using Layered Titanate Template. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 1009-1014. | 0.2  | 0         |
| 56 | Platelike Ag <sub>2</sub> Nb <sub>4</sub> O <sub>11</sub> mesocrystals: Soft chemical synthesis, formation mechanism and enhanced photocatalytic performance. Journal of Alloys and Compounds, 2016, 686, 48-54.  | 5.5  | 16        |
| 57 | Synthesis of {110}-faceted rutile TiO <sub>2</sub> nanocrystals from tetratitanate nanoribbons for improving dye-sensitized solar cell performance. RSC Advances, 2016, 6, 9717-9724.   | 3.6  | 14        |
| 58 | Mesocrystalline Nanocomposites of TiO <sub>2</sub> Polymorphs: Topochemical Mesocrystal Conversion, Characterization, and Photocatalytic Response. Crystal Growth and Design, 2015, 15, 1214-1225.  | 3.0  | 38        |
| 59 | Topochemical conversion of protonated titanate single crystals into platelike Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> mesocrystals with controllable microstructures. CrystEngComm, 2015, 17, 1758-1764.   | 2.6  | 18        |
| 60 | Soft chemical in situ synthesis, formation mechanism and electrochemical performances of 1D bead-like AgVO <sub>3</sub> nanoarchitectures. Journal of Materials Chemistry A, 2015, 3, 18127-18135.  | 10.3 | 25        |
| 61 | Ferroelectric Mesocrystalline BaTiO <sub>3</sub> /SrTiO <sub>3</sub> Nanocomposites with Enhanced Dielectric and Piezoelectric Responses. Chemistry of Materials, 2015, 27, 4983-4994.  | 6.7  | 62        |
| 62 | Delithiation, Exfoliation, and Transformation of Rock-Salt-Structured Li <sub>2</sub> TiO <sub>3</sub> to Highly Exposed {010}-Faceted Anatase. ACS Applied Materials & Interfaces, 2015, 7, 7995-8004.   | 8.0  | 17        |
| 63 | Controllable synthesis and morphology evolution from two-dimensions to one-dimension of layered K <sub>2</sub> V <sub>6</sub> O <sub>16</sub> ·nH <sub>2</sub> O. CrystEngComm, 2015, 17, 3777-3782.  | 2.6  | 11        |
| 64 | Synthesis of [111]- and {010}-faceted anatase TiO <sub>2</sub> nanocrystals from tri-titanate nanosheets and their photocatalytic and DSSC performances. Nanoscale, 2015, 7, 7980-7991.   | 5.6  | 48        |
| 65 | Improved dispersion ability of TiO <sub>2</sub> nanoparticles for efficient dye-sensitized solar cells. Applied Surface Science, 2015, 357, 1658-1665.  | 6.1  | 1         |
| 66 | In Situ Photochemical Surface Passivation of CdSe/ZnS Quantum Dots for Quantitative Light Emission and Enhanced Photocurrent Response in Solar Cells. Journal of Physical Chemistry C, 2014, 118, 2178-2186.  | 3.1  | 25        |
| 67 | Microwave-Assisted Topochemical Conversion of Layered Titanate Nanosheets to {010}-Faceted Anatase Nanocrystals for High Performance Photocatalysts and Dye-Sensitized Solar Cells. Crystal Growth and Design, 2014, 14, 5801-5811.   | 3.0  | 47        |
| 68 | Topotactic synthesis and photocatalytic performance of one-dimensional ZnNb <sub>2</sub> O <sub>6</sub> nanostructures and one-dimensional ZnNb <sub>2</sub> O <sub>6</sub> /KNbO <sub>3</sub> hetero-nanostructures. RSC Advances, 2014, 4, 56637-56644.                   | 3.6  | 14        |
| 69 | Photocatalytic and Dye-Sensitized Solar Cell Performances of {010}-Faceted and [111]-Faceted Anatase TiO <sub>2</sub> Nanocrystals Synthesized from Tetratitanate Nanoribbons. ACS Applied Materials & Interfaces, 2014, 6, 16007-16019.                                    | 8.0  | 39        |
| 70 | Topotactic soft chemical synthesis and photocatalytic performance of one-dimensional AgNbO <sub>3</sub> nanostructures. Materials Letters, 2014, 137, 110-112.  | 2.6  | 14        |
| 71 | Interplay between Dye Coverage and Photovoltaic Performances of Dye-Sensitized Solar Cells Based on Organic Dyes. Journal of Physical Chemistry C, 2014, 118, 20184-20192.  | 3.1  | 21        |
| 72 | Modification of TiO <sub>2</sub> Electrode with Organic Silane Interposed Layer for High-Performance of Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 5818-5826.   | 8.0  | 52        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Fabrication of [100]-oriented bismuth sodium titanate ceramics with small grain size and high density for piezoelectric materials. <i>Journal of the European Ceramic Society</i> , 2014, 34, 1169-1180.  | 5.7 | 38        |
| 74 | Synthesis of {010}-faceted anatase TiO <sub>2</sub> nanoparticles from layered titanate for dye-sensitized solar cells. <i>CrystEngComm</i> , 2014, 16, 8885.   | 2.6 | 27        |
| 75 | Transformation of potassium Lindquist hexaniobate to various potassium niobates: solvothermal synthesis and structural evolution mechanism. <i>Dalton Transactions</i> , 2013, 42, 7699.  | 3.3 | 48        |
| 76 | Ferroelectric Mesocrystals of Bismuth Sodium Titanate: Formation Mechanism, Nanostructure, and Application to Piezoelectric Materials. <i>Inorganic Chemistry</i> , 2013, 52, 10542-10551.  | 4.0 | 39        |
| 77 | Strategy for Lowering Li Source Dosage While Keeping High Reactivity in Solvothermal Synthesis of LiMnO <sub>2</sub> Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 570-573.   | 6.7 | 11        |
| 78 | Raw Particle Aggregation Control for Fabricating Submicrometer-sized Spherical Particles by Pulsed-laser Melting in Liquid. <i>Chemistry Letters</i> , 2013, 42, 530-531.   | 1.3 | 17        |
| 79 | Screening of Inorganic Adsorbents for Selective Adsorption of Thiophene from Model Gasoline. <i>Separation Science and Technology</i> , 2012, 47, 1926-1936.  | 2.5 | 6         |
| 80 | Relationships between Cell Parameters of Dye-Sensitized Solar Cells and Dye-Adsorption Parameters. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 1928-1934.  | 8.0 | 41        |
| 81 | Column Desulfurization of Hydrodesulfurized Gasoline Using Ce(IV)-Loaded Y-Zeolite Adsorbent. <i>Journal of Chemical Engineering of Japan</i> , 2012, 45, 324-330.  | 0.6 | 2         |
| 82 | Solvothermal Soft Chemical Synthesis and Characterization of Nanostructured Ba <sub>x</sub> (Bi <sub>0.5</sub> K <sub>0.5</sub> ) <sub>x</sub> TiO <sub>3</sub> Platelike Particles with Crystal-Axis Orientation. <i>Chemistry of Materials</i> , 2011, 23, 3978-3986. | 6.7 | 42        |
| 83 | Preparation of Crystal-Axis-Oriented Barium Calcium Titanate Plate-Like Particles and Its Application to Oriented Ceramic. <i>Journal of the American Ceramic Society</i> , 2011, 94, 3716-3721.  | 3.8 | 30        |
| 84 | Synthesis of Layered Hydroxide Zinc Aminobenzoate Compounds and Their Exfoliation Reactions. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1837-1845.   | 4.9 | 6         |
| 85 | The nonlinear optical properties of the nanohybrid thin film forming by intercalating methylene blue dye into layered titanate nanosheets. , 2011, , .  |     | 0         |
| 86 | Solvothermal soft chemical synthesis and characterization of plate-like particles constructed from oriented BaTiO <sub>3</sub> nanocrystals. <i>Journal of the Ceramic Society of Japan</i> , 2010, 118, 141-146.   | 1.1 | 39        |
| 87 | Growth fusion of submicron spherical boron carbide particles by repetitive pulsed laser irradiation in liquid media. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 797-803.  | 2.3 | 74        |
| 88 | Dye-sensitized solar cells based on anatase TiO <sub>2</sub> nanocrystals exposing a specific lattice plane on the surface. <i>Applied Physics Letters</i> , 2010, 97, 131906.  | 3.3 | 28        |
| 89 | Topotactic Transformation Reaction from Layered Titanate Nanosheets into Anatase Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20275-20280.   | 3.1 | 61        |
| 90 | Synthesis and exfoliation of layered hydroxide zinc aminobenzoate compounds. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 1115-1119.   | 1.1 | 8         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Transformation of layered hydroxide zinc benzoate nanosheets into ZnO nanocrystals by electron beam irradiation. Journal of the Ceramic Society of Japan, 2008, 116, 657-660.                      | 1.1 | 7         |
| 92  | Low Temperature Synthesis of BaTiO <sub>3</sub> from Layered Titanate Nanosheet. Journal of the Ceramic Society of Japan, 2007, 115, 165-168.  | 1.3 | 7         |
| 93  | Single Nanocrystals of Anatase-Type TiO <sub>2</sub> Prepared from Layered Titanate Nanosheets: A Formation Mechanism and Characterization of Surface Properties. Langmuir, 2007, 23, 11782-11790. | 3.5 | 152       |
| 94  | Hydrothermal soft chemical synthesis of BaTiO <sub>3</sub> and titanium oxide with cocoon-like particle morphology. Journal of Materials Science, 2007, 42, 640-645.                               | 3.7 | 5         |
| 95  | Hydrothermal synthesis of layered hydroxide zinc benzoate compounds and their exfoliation reactions. Journal of Materials Chemistry, 2006, 16, 474-480.  | 6.7 | 65        |
| 96  | Preparation of Nanoleaf-like Single Crystals of Anatase-type TiO <sub>2</sub> by Exfoliation and Hydrothermal Reactions. Chemistry Letters, 2006, 35, 1226-1227.                                   | 1.3 | 14        |
| 97  | Hydrothermal Soft Chemical Synthesis and Particle Morphology Control of BaTiO <sub>3</sub> in Surfactant Solutions. Journal of the American Ceramic Society, 2005, 88, 1415-1420.                  | 3.8 | 47        |
| 98  | Title is missing!. Journal of Materials Science Letters, 2003, 22, 999-1001.   | 0.5 | 7         |
| 99  | Single Crystal Growth of Birnessite- and Hollandite-Type Manganese Oxides by a Flux Method. Crystal Growth and Design, 2003, 3, 409-415.   | 3.0 | 45        |
| 100 | Soft Chemical Approach to Synthesis and Control of Functional Inorganic Materials. Journal of Ion Exchange, 2003, 14, 77-86.   | 0.3 | 2         |
| 101 | SYNTHESIS AND PARTICLE MORPHOLOGY CONTROL OF BaTiO <sub>3</sub> AND TiO <sub>2</sub> BY HYDROTHERMAL SOFT CHEMICAL PROCESS. , 2003, , .  |     | 0         |
| 102 | Structure of synthetic Na-birnessite: Evidence for a triclinic one-layer unit cell. American Mineralogist, 2002, 87, 1662-1671.  | 1.9 | 152       |
| 103 | Hydrothermal Syntheses of Layered Lithium Nickel Manganese Oxides from Mixed Layered Ni(OH) <sub>2</sub> Manganese Oxides. Chemistry of Materials, 2002, 14, 3844-3851.                            | 6.7 | 44        |
| 104 | SYNTHESES OF MIXED LAYERED NICKEL HYDROXIDE MANGANESE OXIDES BY HYDROTHERMAL INTERCALATION REACTION AND EXFOLIATION-RESTACKING HYDROTHERMAL REACTION. , 2002, , .                                  |     | 0         |
| 105 | Synthesis of Crystal-Axis-Oriented BaTiO <sub>3</sub> and Anatase Platelike Particles by a Hydrothermal Soft Chemical Process. Chemistry of Materials, 2001, 13, 290-296.                          | 6.7 | 144       |
| 106 | Synthesis of Lithiophorite with Sandwich Layered Structure by Hydrothermal Soft Chemical Process. Chemistry Letters, 1998, 27, 757-758.  | 1.3 | 7         |
| 107 | Ni(OH) <sub>2</sub> Nanosheets Modified Hexagonal Pyramid CdS Formed Type II Heterojunction Photocatalyst with High-Visible-Light H <sub>2</sub> Evolution. ACS Applied Energy Materials, 0, , .   | 5.1 | 12        |
| 108 | In Situ Topochemically Converted 2-D BaTiO <sub>3</sub> Polycrystals with Multifarious Zone Axes. Materials Advances, 0, , .   | 5.4 | 0         |